

Beat the Racetrack



WILLIAM T. ZIEMBA

AND

DONALD B. HAUSCH

WITH A FOREWORD BY EDWARD O. THORP

The Dr. Z system makes you master of the mathematics of the tote board.

You should win—consistently!—
at the races and make a profitable return on
investment at minimal risk.

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AND
DONALD B. HAUSCH

A mathematical system for betting the racetrack? Yes—and Dr. Z will show you how it works.

The secret for winning at the races is in the mathematical message on the tote board; this book shows you how to read—and master—that message. The Dr. Z system is based on the principle of inefficient markets, which originated in the analysis of stock-market option and warrant trading. By teaching you how to extract from the tote board the data you need to make selected place and show bets, it should bring you an improved return on each dollar you wager.

The Dr. Z system is not a new handicapping theory or a collection of tips. It is a scientific method that the authors, William T. Ziemba and Donald B. Hausch, have tested themselves. They have beaten the racetrack and given us documented proof of how they did it—over longer periods of time and on such special occasions as Kentucky Derby Day.

Beat the Racetrack provides you with easy-to-follow rules for spotting the best bets. It teaches you how to calculate quickly the optimal amount to wager on any given bet and supplies tear-out charts to take to the track with you.

The Dr. Z system makes the lure of the racetrack more alluring than ever. This book's a sure thing!

Beat the Racetrack

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Beat the Racetrack



by William T. Ziemba and Donald B. Hausch

With a Foreword by Edward O. Thorp

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To Rachel, who likes the horses
but loves the popcorn.
—W. T. Z.

To my parents, Robert and Margret Hausch.
—D. B. H.

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Foreword

The publication of this book is a rare event in the world of gambling because it presents one of the few betting systems ever discovered that really works. It is the only system for betting on horse races which has enough scientific analysis to persuade me that it is valid.

The system is easy to understand and use, which makes it appealing to readers and bettors. The basic ideas behind it are simple ones:

1. The crowd is good at picking a winner—so good, in fact, that the relative amount bet on a horse to win corresponds closely to its actual chances of winning.

2. In the same way, the amount the crowd bets on horses to place and show should be distributed in approximately the same proportions as the amounts bet in the win pool.

3. But sometimes—in about two to four races a day—the place and show pools are considerably “off” from the proportions in the win pool. When that happens, the place and show bets give the player an edge of as much as 20 percent or even more. This phenomenon is an example of an “inefficient market,” and it is the basis of the Dr. Z system.

It took two good scientists, Professor William Ziemba and his student Donald Hausch, to back up these ideas with solid analysis. They set out to develop a precise method to measure just how good a bet is, one that would show you both when to bet and how large a bet it should be. Bill Ziemba is an expert in operations research and portfolio management and in the theory and practical applications of gambling. He has long had an active interest in gambling games and systems and has served as a consultant for the Canadian government. His main area of academic expertise, operations research, is concerned with the application of mathematics to the real world. Donald Hausch is an expert economic modeler and computer analyst. All this provides them with the perfect background for what they have done in this book.

Besides the mathematical and scientific analysis, the development of the Dr. Z system required verification using historical data from past races, and it needed to be tested by actual play. The authors did all these things. *And*

they won money at the track using their own system. The book presents all the details necessary to make a careful, intelligent, and profitable application of their system. Beyond this, it is also an entertaining introduction to the lore of the track.

This book is for people who want to win. The gambling system it presents is one of the few I have ever seen that I think really works. I am convinced enough to bet my own money on it.

Edward O. Thorp
Newport Beach, California
November 1983

Introduction

This book is about the Dr. Z system, a method that should actually enable you to beat the races. We have used the Dr. Z system at racetracks in California, New York, Kentucky, Washington, and British Columbia. When properly applied, its average profit per dollar wagered is about 10%–20%.

The Dr. Z system is based on an inefficiency in the place- and show-betting markets. The inefficiency is similar to that which occurs in stock option markets and warrant trading, and casino card games such as blackjack. Simply put, the bet or investment will return, on average, substantially more than its purchase price with only a small risk. The inefficiency is large enough to yield profitable bets about two to four times per average racing day. The inefficiency occurs because of the betting habits of the public—in particular, because of their greed for large profits—and because it is difficult for them to estimate the true worth of place and show bets.

We have used a sophisticated mathematical model that selects those profitable bets and determines how much should be wagered to maximize the long-run rate of growth of the bettor's fortune.* The model is solved using a modern electronic computer. To make the Dr. Z system operational at the racetrack, we have developed simple approximations that provide you with easy to follow rules. The rules indicate how good a possible bet is, whether or not it is advisable to place a wager, and how much should be wagered given your particular betting fortune.

Charts and detachable cards are provided in the book for actual application of the Dr. Z system at a racetrack. The Beat the Racetrack CalculatorTM is also available for those wishing the simplest, most accurate application of the Dr. Z system.

We have read dozens of books and investigated numerous systems for handicapping and racetrack betting. We believe that the Dr. Z system is the

*Some of the research that made this book possible is based in part on stochastic mathematical optimization research supported in part by the Canadian Natural Sciences and Engineering Research Council grant 67-7147.

first scientifically proven method for the average person to obtain consistent horse-race betting profits. Though it is difficult to find hard evidence, no doubt handicapping systems exist that yield profits upon proper application of their methods. These systems, however, usually require extensive knowledge that borders on expert handicapping. The aim of the Dr. Z system is to provide the average nonexpert with a simple, easy-to-use procedure for making modest but substantial profits. To apply the Dr. Z system you need only to follow a few key rules and to be patient, betting only when the wager is really worth making and avoiding the temptation of betting too much or too soon. The Dr. Z system tells you how much of your betting fortune to wager on each profitable situation. You do not have to become an expert handicapper to apply the Dr. Z system and win with it. It should provide slow, steady profits with small risk. At the very least, we hope it will teach you why most racetrack bettors lose and how you can avoid being one of them.

Beat the Racetrack

CHAPTER 1

Discovery of the Dr. Z System



The Lure of Racing

People have been interested in horse races and betting on their outcome for several thousands of years. The Hittites, Greeks, and Romans all had horse races, as well as track-and-field competitions among human athletes.

The horses we call thoroughbreds are descended from three Near East stallions, the Byerly Turk, the Darley Arabian, and the Godolphin Barb, which were bred to English mares in the seventeenth and eighteenth centuries. Of some two hundred sires listed in the first stud book, which was published in 1793, only these three developed breeding lines that exist today. Matchem, foaled in 1748, became the only stallion to continue the Godolphin Barb's line; Herod, foaled in 1758, continued the Byerly Turk's line, which began in 1686; and Eclipse, foaled in 1764, continued the Darley Arabian line. Every thoroughbred racing today is a direct descendent of one of these three lines. It is these thoroughbreds in the North American setting with which we are concerned in this book. However, the Dr. Z system also applies to standardbreds running in harness races, quarter horses, greyhounds, and racing situations involving thoroughbreds in England and other countries (see Chapter Seventeen).

Thoroughbred horse racing is a very popular sport. Indeed, about the same number of people in North America attend the track each year as attend professional and college football and baseball games combined. There are about a hundred thoroughbred tracks in North America, with seasons running from just a few days to nearly half the year. (A current listing of

these tracks and their handles appears in Appendix A.) Racetracks are big business: In 1982, 57 million people bet \$7.7 billion at racetracks and legalized off-track betting shops in North America. Many more billions were bet with illegal bookies.

People go to the track for several reasons. Among these are the beauty and excitement of the sport. Eight or ten one-thousand-pound animals piloted by hundred-pound jockeys in colorful silks vying to win a race are quite a sight. It is hard to beat the thrill of a horse coming from far off the pace to mount a late charge and nip the leader at the wire. Even more exciting is the challenge of picking the winner. It is a very demanding task, which has its high and low moments. After each race you see countless bettors with long faces tearing up their tickets and rushing to look at the *Daily Racing Form* in an attempt to recoup their losses in the next race. A few winners will be telling their friends about the intricate analysis they used to pick the winner. The longer the odds the horse had, the greater these "bragging rights" are. Then there is the sheer greed of many bettors. They want to pick up easy winnings. For some bets, like the triactor and pick six, payoffs can be in the thousands or even hundreds of thousands of dollars. There is even a chance a big win will change a person's whole life.

Myriad factors can influence the performance of an individual horse and the outcome of a particular race. Some are analyzable and some are due to pure chance. Trying to pick the winners and the in-the-money finishers in a horse race is an intense intellectual challenge that draws the interest and talents of millions of people each year. Their attempts to put together all the relevant factors—the condition of the horses, the track, the skill of the jockeys, the trainers' and owners' intentions, the length of the race, the weights carried by the various horses, and so forth—is an irresistible challenge. One measure of the difficulty of this task is the number of people who can do it successfully. How many people do you know who go to the races? Quite a few, probably. How many win each year? Not many, right? That's what makes it so interesting and challenging.

I have been interested in horse racing for a long time. As a youth I spent many hot summer days at Saratoga analyzing racing forms. Having an analytical mind, I reasoned that I just needed to figure out which factors were really important, and when, in order to have the basis of a winning system. I spent quite a bit of time and energy trying to isolate the factors that determine the chances of a particular horse's winning a given race. One can develop such prediction equations that work reasonably well, but is it possible to beat the races with them? I concluded that you could beat the races with handicapping systems only if you were an expert, one willing to keep abreast daily of all relevant happenings in a given meet.

But I was searching for something simpler that could be applied in a

systematic fashion without an intimate knowledge of recent racing results. This required a different approach. Rather than trying to pick the winner and the in-the-money finishers in a given race, I needed to concentrate on how to manage my money and to determine when there are bets that, on average, return significantly more than their costs. I found a good predictor of the actual probability of winning was the amount bet by the crowd.

In aggregate, all the experts and others betting on a particular day generated odds. Those odds, on average, were excellent predictors of the actual chances of each horse's winning. This is not surprising; it is the way most security markets work. Financial analysts call them *efficient markets*. This suggested to me that the really best bets were to place and show.

On the basis of financial markets, I realized that it was best to use the efficiency in the win pools to isolate inefficiencies in the place and show pools. Then I needed to develop sophisticated betting procedures that are easy to use. The idea is to bet more the more advantageous the situation is. That way, your betting fortune grows as fast as possible. Most bettors bet the win pools, since they appear to provide the highest payoff and are the easiest to understand. Place and show betting is considered less profitable and much harder to understand. For example, the exact payoff on place and show bets depends upon which three horses finish in the money. This book is concerned with the use of the Dr. Z system for making bets on outstanding place and show opportunities. Before we begin, let's look at why it is so difficult to win at the racetrack.

The Difficulty of Actually Winning at the Racetrack

Studies of betting behavior show that fewer than one out of every hundred racetrack bettors is actually ahead over a long period of time. Why is it so difficult to win? In the parimutuel system of betting, you must be just a little more clever than the other bettors in the crowd, since you are betting against them. But how much better do you have to be to win? The hidden difficulty is the track commission, which consists of two parts: the *track take* and the *breakage*. The track take is the normal commission that the track subtracts from the total betting pool to make its profit and to pay its expenses. It varies from a low of 14.8% in Ontario and 15% in California and Kentucky to a high of 22.1% in Saskatchewan. The rates tend to be lower in states and provinces where the volume of betting is larger. Table A.6 in Appendix A lists current track takes in the major American states and Canadian provinces. These rates are periodically changed. Call your local jockey club for the latest information if you don't find it listed in the program.

The track take is enormous! In the 1983 Kentucky Derby, 134,444 people bet \$5,546,977, so the 15% track take in Kentucky amounted to \$832,046—a handsome payoff for the track and a big addition to the total loss of the losers. Over the full day, \$11,851,527 was bet, for a commission of \$1,777,729.

The second part of the track's commission is the breakage, which is the rounding down of the winnings to common payoff amounts. For example, suppose a horse pays \$12.77 for each \$2 bet. That \$12.77 represents the total bet on all the horses less the track take divided by the number of tickets sold on the winning horse. The actual payoff will be either \$12.70 or \$12.60, depending on whether the track uses 5¢ or 10¢ breakage to the dollar.

At first glance this 7¢ or 17¢ does not seem like much. After all, with a \$2 bet 7¢ is a mere 0.65% of the potential profit, and 17¢ is only 1.58% of the profit. But suppose the parimutuel payoff should be \$2.78, with the winning bettors getting \$2.70 or \$2.60. Now the effect on profits is much more substantial. In the 5¢ case it is 8¢/78¢, or 10.3%, and in the 10¢ case it is 18¢/78¢, or 23.1% of the potential profit. Thus the effect of breakage depends upon the type of bets being made. Ten cent breakage is always at least as large as 5¢ breakage and is often more than double. You can find out which type your track uses by looking at the payoffs in your local newspaper. If all the payoffs are numbers that are multiples of 20¢, like \$6.40, \$12.80, and \$4.20, then it's the 10¢ variety. If you see payoffs that are multiples of 10¢, like \$5.10, \$8.30, and \$13.30, then you are fortunate to have 5¢ breakage. Typically, breakage amounts to an added commission of about 1%–3% on the amount bet for wagers to win. So the total commission of a typical track might be 17% + 2%, or 19%.

Figure 1.1 indicates how two typical bettors, Handicapper Hal and Number-picker Ned, might do in comparison with the average bettor if the total commission is 19%. It is assumed that each bettor begins with \$1,000 and bets \$20 on average on each of the ten races each day over a twenty-day period.

The average bettor wagers \$200 each day and loses \$38 ($0.19 \times \$200$) plus his or her admission ticket, program, racing form, parking, gas, food, and so forth. So after twenty days his or her \$1,000 betting stake has dwindled to \$240. Handicapper Hal has studied a number of handicapping books and when he was on vacation in Las Vegas two years ago, he took a one-day seminar that featured several of America's top handicappers. He prides himself on the fact that he knows a lot about speed horses. He always bets each race, although he might double up on horses he thinks are overlays (that is, the odds are better than the chances of winning), and bets less when the race looks very tough. Hal does better than most of his friends who frequently seek out his advice. Hal goes to the track both Saturday and Sunday, since he is too busy driving his cab during the week. He often breaks

even or has small winnings. He thinks that if he can eliminate a few more bad bets he will be an overall winner. Hal gets a lot of enjoyment from analyzing the *Daily Racing Form* and he studies it for about two hours the evening before a day's races. The \$455 loss that he had over the twenty days was more than compensated for by Hal's enjoyment of the races. He is sure that he will do better next year and likely be ahead at the end of the season.

Ned works as a cashier for a big food market that is several miles from the local racetrack. He likes to go to the track Wednesday evening with several of his pals. On Fridays they play poker. Ned is too busy to spend time studying the racing form. In fact he never buys it. Instead he relies on the picks in the program and often buys one of the tipster's pick sheets. He likes to bet on horses that look good. So gray horses, those with bandaged feet, and those ridden by jockeys he doesn't like are out. He always bets on number 7 in the seventh and number 6 in the ninth, since it was a lucky day when his son was born on the sixth day of September. Ned and his pals sometimes share bets. They like to bet to win and love the exotic pools. One of Ned's friends won \$1,400 on the triactor last fall. Ned does not really expect to win, but he thinks that someday he'll get lucky and make a killing. He thinks of his \$770 losses this year as an investment and maybe he'll get it all back if he wins the triactor next year.

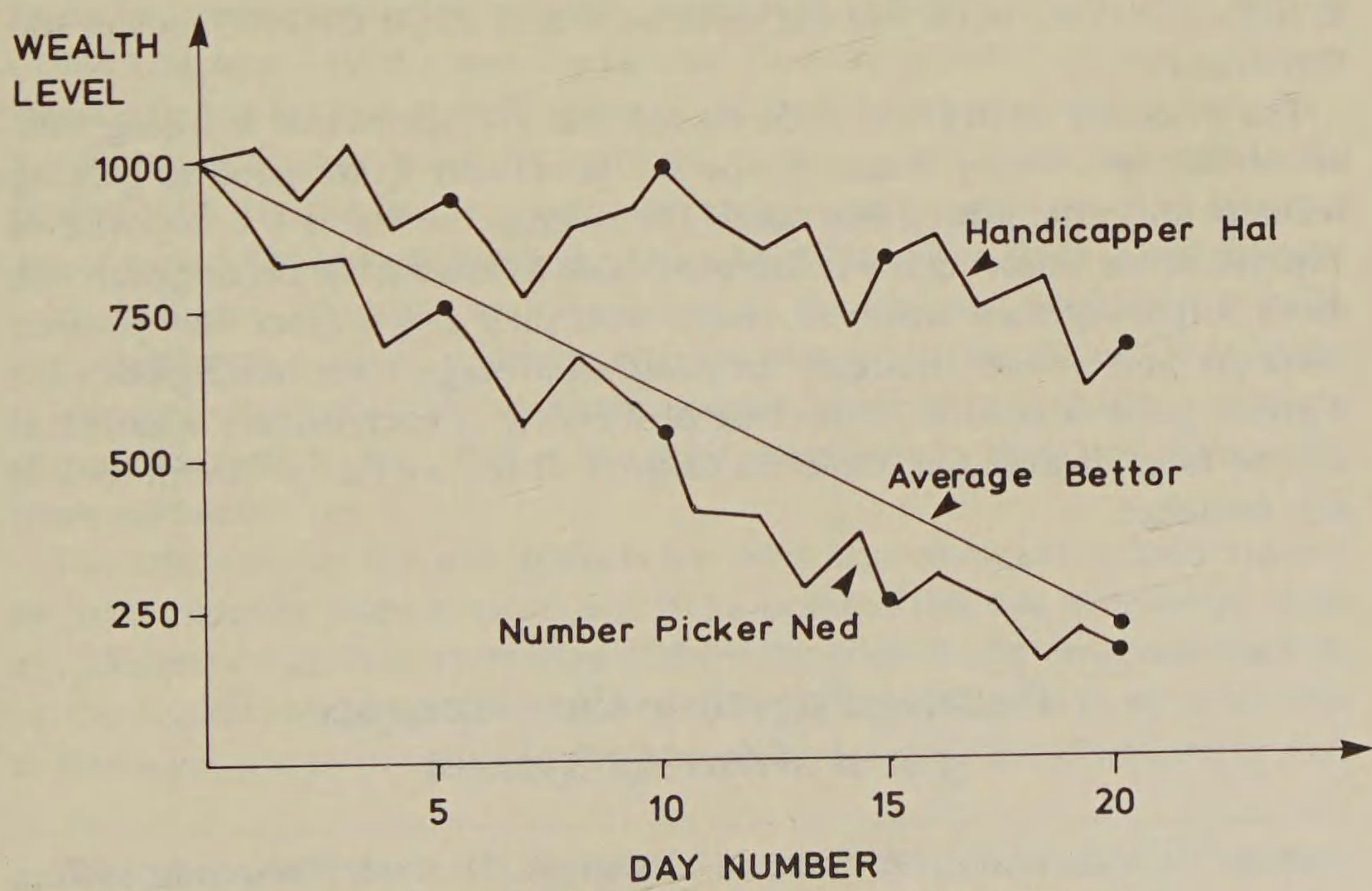


Figure 1.1 Typical behavior of the betting fortunes of three bettors

The crowd is composed of many different types of bettors, although many of them are like Hal and Ned. On average they lose 19% of what they bet because of the track take and breakage. Ned might conceivably win a large triactor and come out ahead, but it is unlikely. Most bettors like Ned will continue to lose a little bit more than the average bettor. Hal is pretty good at handicapping. He might be able to turn himself into a winner. If he can improve his handicapping a little and learn to bet more wisely, maybe this will happen.

But just how much better than the average bettor would Hal have to be to break even? Suppose Hal decides to concentrate on the top horses. Studies show that the top choices of the betting public win about a third of their races. The typical person betting favorites in a nine-race card might pick the winner in three of the races on average. I say on average, because he or she might pick six Monday evening, two Wednesday afternoon, one on Saturday, and so on, to average three per day. These winning horses pay about \$4.86 per \$2 bet, since $(\frac{3}{9})x = 0.81$ gives $x = \$2.43$ per dollar bet (the 0.81 is 100% minus the track take and breakage of 19%). To break even, Hal would have to pick 41.2% winners, since $(2.43)y = 1.00$ gives $y = 0.412$. Thus he has to be 23.5% better than the average bettor.

The situation is the same if Hal is picking medium-priced horses that are winning about 15%–20% of the time or longshots that win 5%–10% of their races. Hal simply must be $100/0.81 - 100 = 23.5\%$ better than the average bettor to break even. Hal does not think this will be that difficult. After all he knows so much more than the Neds of the world. Hal will be as surprised as we hope you are when he learns about the efficiency of the win market.

The evidence shows that even though the average bettor is losing 19% of the bet with every wager, he or she is actually quite good at picking winners and establishing fair odds. The average bettor is a composite of experts, those following the consensus, those following the betting patterns, those following their instincts, those who pick gray horses and popular numbers, and so forth. Roughly speaking, on average, their betting odds are a pretty good indication of the true probability of each horse's winning. It will be tougher than Hal thinks. In Chapter Three we take a careful look at this evidence.

Putting Together the Concepts for a Winning System

Beating the races is an intellectual challenge. To have a winning system means that you must be a good handicapper and a good money manager.

You need to have an accurate method of predicting not only the probability that each horse will win a given race, but the probabilities of all possible 1-2-3 finishes. Then you need a way to determine when a given bet will return significantly more, on average, than it costs. Finally, you need to determine how much to bet, taking into account the effect of the bet on the odds, the worthiness of the particular bet, and the amount of betting wealth available for wagering. Since the betting pools and the odds are constantly changing, the procedure must be simple enough for it to be applied quickly just prior to the closing of the mutuel windows and the running of the race. That is the challenge.

We think that we have developed such a system for beating the races. It is called the Dr. Z system, and you should be able to apply it successfully at the racetrack. Although some of the ingredients in the winning mix are complicated, the Dr. Z system is easy to use. You do not have to be an expert handicapper. On the contrary, you need only to follow a few rather simple rules. You need to be patient and bet only when the conditions are right and when the bet is really good enough. To determine whether to bet or not, you'll simply watch the tote board and then use either the detachable cards found inside the back cover of the book or the calculator discussed in Chapter Five.

Before we go on, it's time to tell you how we discovered the various ingredients that make up the Dr. Z system and who your guides are. The emphasis in this book is on the efficiency-of-market approach. It has been used by financial analysts to extract excess returns from various security, financial, and commodity markets whenever this is possible. See Malkiel (1981), Sharpe (1981), and Thorp and Kassouf (1967).^{*} In stock market jargon, it is a technical system based on relative prices rather than on a fundamental system based on intrinsic values. A key to the analysis is the notion that the public, in aggregate, knows pretty well what the chances are of particular horses' winning a given race. However, their greed to make a big killing at the track and the boost to the ego that goes with it make long shots very popular, while favorites are shunned. This makes the favorites relatively better bets. This bias is not enough, however, to produce a winning system for bets to win. But it is a key ingredient in the Dr. Z system for place and show bets.

The efficiency of the win markets has been known for some time. Studies by psychologists, such as Griffith (1949), pointed this out over thirty years ago. We were forcefully reminded of the principles of efficiency win markets by the significant study by Snyder (1978). All that needed to be done was to find a good way to estimate the probability of each horse's winning. And

^{*}We will cite references, which are listed on pages 383–86, by the author's name and year of publication.

that is amazingly simple to do. You need only to find the ratio between two numbers—the amount bet on each horse to win divided by the total win pool. It is quite accurate.

While I was a visiting professor at the University of California at Berkeley in 1978, I had a number of discussions about racetrack market efficiency with Professor Mark Rubinstein. He has a background in financial markets and he, too, was looking for a way to use the tote board information to yield a profitable betting system. He told me about his work with his student King (1978) and the similar ideas of Harville (1973). As you will see in Chapter Five, the Harville formulas combined with the efficiency of the win-market estimates of the probability of winning, generate the probabilities of all possible 1-2-3 in-the-money finishes. This early advice proved invaluable. The key step was to combine these ideas with that of optimal investment over time, a subject in which I have expertise. Doing the actual calculations, developing and testing the Dr. Z system required many refinements. Don Hausch, a former student of mine, and I have been working on this together for the past five years.

Along the way, we have benefited from a number of sources and people mentioned in the acknowledgments. We have also found useful and supportive the work of several people who have investigated ideas associated with the Harville formulas, the favorable favorite bias, or place and show betting. These include Harville (1973), Humber (1981), McCleary (1981), King (1978), Ritter (1978), and Yass (1980). These authors point to possible good bets, although they do not go so far as to tell you when a particular bet is really good enough to bet, nor do they discuss how much the bet should be.

In writing this book, Don and I have drawn on several aspects of our background and expertise. Don is an expert computer analyst, and he developed all the computer programs needed for our work, as well as performed the calculations you will find here. He is also an expert in model formulation and worked closely with me in developing the Dr. Z system. I have been interested in horse racing for over twenty years and have followed it over this period, quite intensely since 1978. I now write a column on racing for a Canadian magazine with the byline of Dr. Z. As a professional researcher and editor in the areas of optimization, financial markets, and investment strategies, I saw the potential of combining the efficiency of the win market and the Harville formulas with proper betting models. Finally, Don and I have been successful applicers of the Dr. Z system at racetracks all over North America.

Let's begin with a general discussion of betting at the races.

CHAPTER 2

Betting at the Races



Reading the Program and the Daily Racing Form

When you go to the racetrack you need to buy a program. It costs about 50¢ to 75¢. The program is published by the racetrack and gives the latest information on which horses are scheduled to run in each race. It also provides you with other useful information, such as the names of the jockeys, owners and trainers, the father (sire) and mother (dam) of each horse running, the morning line odds, the weight carried by each horse, the post positions, the value of the race's purse, the eligibility conditions for entering the race, the track record at this distance, and the colors of the jockeys' silks so that you can recognize the various horses during the running of the race.

A sample program for a mythical dream race involving many famous Kentucky Derby winners appears on page 10. Notice that there are two entries for numbers 1 and 2. Imagine getting Whirlaway and Citation together at 5—1 odds! In the next section we discuss more fully the way the odds are determined, but 5—1 means that if either of these horses was to win, the payoff would be a \$5 profit plus the return of the \$1 for each dollar bet. So a bet of \$10 would return \$60. The favorite is the great Secretariat at 3—2, so a winning \$10 ticket would pay \$25.

Entries are formed when two or more horses are entered from the same stable or by the same trainer. They are coupled to avoid any irregularities arising from the fact that they are running for the same people. The *field*, on the other hand, generally puts weaker horses together so that there are no more than twelve separate bets, since that is all that racetrack totalizator boards can usually accommodate. In races such as the Kentucky Derby, with up to twenty starters, the field may contain as many as nine separate horses.

Each day the track announcer provides additional information regarding such items as late scratches, jockey changes, or overweights. It is easy to mark these changes on your program. Most races have about six to ten horses and do not have entries or fields. In most races if a horse is, for instance, number 3, he will run in post position 3. However, when there are entries or fields, the post position order is usually altered.

The program often provides you with information about the jockey and trainer standings and post position statistics of the current meet. The following reprint is from a 1983 Exhibition Park program.

It is a good idea also to buy the *Daily Racing Form*. It costs around \$1.75. It contains a tremendous amount of information about the past performances of the horses running in each race, as well as an analysis of each race by the *Form's* consensus experts. Samples of the *Daily Racing Form's*

UNDERSTANDING THE PROGRAM

Distance of Race **1 1/4 MILES**
















Prize money for race **PURSE \$50,000-Added**

Name of Race **DERBY MEMORIAL STAKES**

Conditions defining eligibility of horses in race **FOR THREE-YEAR-OLDS AND UPWARD: Winners and competitors in past Kentucky Derbies, with two exceptions. Winners of various famous races, including two of longer mutuel payouts at Churchill Downs. Weighted by reputation.**

Track Record—**SECRETARIAT (3) 126 lbs., 1:59 2/5, May 5, 1973**

MAKE SELECTION BY NUMBER

OWNER	TRAINER	Jockey/Mate Line
CALUMET FARM Devil Red, Blue Bars on Sleeves, Blue Collar and Cap	BEN A. JONES	5
WHIRLAWAY  126		EDDIE ARCARO (Post Pos. 3)
CALUMET FARM Devil Red, Blue Bars on Sleeves, Blue Collar and Cap	BEN A. JONES	5
CITATION  126		N. L. PIERSON (Post Pos. 6)
BELAIR STUD White and Red Dots, Scarlet Cap	JAMES FITZSIMMONS	6
GALLANT FOX  121		EARL SANDE (Post Pos. 1)
BELAIR STUD White and Red Dots, Scarlet Cap	JAMES FITZSIMMONS	6
OMAHA  123		WILLIAM SAUNDERS (Post Pos. 2)
J. K. L. ROSS Orange Sleeves, Black Bands, Orange Cap	H. G. BEDWELL	10
SIR BARTON  120		JOHN LOFTUS (Post Pos. 4)
SAMUEL D. RIDDLE Black, Yellow Sash, Yellow Cap on Sleeves	GEORGE CONWAY	12
WAR ADMIRAL  124		CHARLEY KURTSSINGER (Post Pos. 5)
MRS. L. D. HERTZ Yellow, Black Circle on Sleeves, Yellow Cap	DON CAMERON	10
COUNT FLEET  126		BILL SHOEMAKER (Post Pos. 7)
KING RAICH Brown, White Running "W" Front and Back, Brown Bars on White Sleeves, Brown and White Cap	MAX HIRSCH	8
ASSAULT  122		WARREN MEHTENS (Post Pos. 8)
ESTATE OF C. T. CHENERY Blue, White Blocks, White Stripes on Sleeves, Blue Cap	LUCIEN LAURIN	3-2
SECRETARIAT  126		RON PORCOTTE (Post Pos. 9)
KAREN L. TAYLOR Black, Yellow Yoke, Yellow Bars on Sleeves, Yellow Cap	WILLIAM TURNER, JR.	6
SEATTLE SLEW  120		JEAN CRUGUET (Post Pos. 10)
HARBOR VIEW FARM Flamingo, White Bars on Black Sleeves, Black Cap	LAZARO S. BARRERA	8-2
AFFIRMED  126		STEVE CAUTHEN (Post Pos. 11)
HAWTHORTH FARM Blue, Black Cross Sashes, Blue Bar on Black Sleeves	GROVER DELP	7-2
SPECTACULAR BID  *119		RON FRANKLIN (Post Pos. 12)
FRANK McMAHON Black, Gold Hoops, Black Cap	JOHNNY LONGDEN	15
MAJESTIC PRINCE  121		BILL HARTACK (Post Pos. 13)
JOE AVER AND ROGER KUMAR Red, White "A" in White Horseshoe, White Cap	JACQUELINE BRANHAM	25
GOLD AND RUBIES  118		TERRY WARNER (Post Pos. 14)
ROBERT STURGEON Blue, Red "S" on White Diamond, White Diamond on Sleeves, Blue Cap	R. C. STURGEON	25
SASSY RUFFLES  118		CARL FAULCONER (Post Pos. 15)

Apprentice Jockey Allowances—★3 lbs. *5 lbs. 7 lbs. * 10 lbs.

▲ Indicates Fooled in Kentucky
1 and 1a—CALUMET FARM Entry
2 and 2b—BELAIR STUD Entry
Scratched—MAN O' WAR

Predictions of order of finish by Mutuel Handicapper **Selections 7-10-9-1a**

RACING STATISTICS—JOCKEY STANDINGS (Up to and including May 18)

	Mts.	1st	2nd	3rd	Win%
C. Loseth	150	26	19	16	17.3
M. Walker	137	24	13	22	17.5
S. Krasner	155	23	16	16	14.8
R. Creighton	131	20	14	20	15.2
D. Rycroft	140	17	21	10	12.1
B. Johnson	155	17	15	30	10.9
M. Patzer	141	15	26	11	10.6
K. Skinner	108	12	19	11	11.1
D. Zook	104	8	8	14	7.6
A. Smith	62	7	3	2	11.2
C. Hoverson	70	7	8	7	10.0

TRAINER STANDINGS

	Sts.	1st	2nd	3rd	Win%
H. Barroby	69	18	8	10	26.0
G. Cummins	55	10	9	7	18.1
H. Johnson	59	10	8	8	16.9
H. Clyde	33	8	1	6	24.2
E. Thompson	28	7	4	2	25.0
E. Garcea	34	6	2	7	17.6
R. Crawford	15	5	2	1	33.3
R. Wood	21	5	3	3	23.8
D. Hannah	30	5	2	4	16.6
D. Forster	46	5	8	4	10.8

POST POSITION STATISTICS (Up to and including May 18)

P.P.	1	2	3	4	5	6	7	8	9	10
Starts	225	223	224	227	224	223	209	188	171	141
Wins	38	28	36	16	31	23	18	14	12	11
% Wins	16.88	12.55	16.07	7.04	13.83	10.31	8.61	7.44	7.01	7.80

consensus selections appear in many places in this book, such as in the discussion of the Kentucky Oaks in Chapter Six beginning on page 123. A guide to reading the *Daily Racing Form* past performances appears on pages 11–12. Try applying this guide to the horses running in the Kentucky Oaks to familiarize yourself with how to read these past performances.

As we have mentioned, the goal of this book is to help you to master the Dr. Z system for beating the racetrack without ever having to become an expert handicapper. We utilize the handicappers' vast knowledge in a very precise way when we discuss the Dr. Z system in Chapters Four and Five. But you will be able to apply the Dr. Z system without referring to the *Daily Racing Form*. The *Form's* main advantage is to give you a deeper understanding and confidence in what you are doing and, most importantly, to provide a quick way to look up information that allows you to eliminate potentially bad bets. We discuss this more fully later in Chapters Five, Fourteen, and Sixteen. For now we suggest that you use extreme caution in betting on horses that have not run recently, are running for the first time, or have extremely mediocre records and whenever the track conditions are not ideal—that is, when the track is not fast. The best bets you can make are those on outstanding horses, when the odds as measured by the Dr. Z system are good, and when the track conditions are ideal. We supply you with numerous examples to study for full details on how to apply the Dr. Z system.

HOW TO READ DAILY RACING FORM PAST PERFORMANCES

Past Performances include cumulative statistics for every horse who has raced on the grass in the U.S. and foreign countries; a symbol [S] pointing out restricted races (not for open company) as well as races for horses bred in a specific state, and a "bullet" ● denoting superior workouts (the best workout of the day at that track for that distance).

FOREIGN-BRED: An asterisk preceding the horse's name indicates he was bred in a foreign country. The country of origin (abbreviated) appears after the breeder's name, as does the state or place and Canadian province of all horses foaled in the United States, Puerto Rico or Canada.

MUD MARKS: One of the following symbols after a horse's name reflects an expert's opinion of his ability on an off track:

* Fair Mud Runner X Good Mud Runner ⊗ Superior Mud Runner

RECORD OF STARTS AND EARNINGS: Each horse's lifetime statistics are given as well as his complete racing record for the current and prior year, or the last two years in which he competed. The letter M in the current year's record indicates the horse is a maiden. M in the previous year's record indicates the horse was a maiden at the end of that year. TURF RECORD shows his lifetime starts, wins, seconds, thirds and earnings on the grass.

Horse	Mud Mark	Today's Weight	Color	Sex	Age	Pedigree	Today's Claiming Price	Earnings	Record
Good Hopes *		1175		f	4	Ch. by Ridan—Miss Hopes, by Jet Pilot	\$12,000	1981	12 3 2 1 \$20,280
						Br. Jones H G (Cal)		1980	4 M 0 2 \$1,100
						Tr. Jones H G		Turf	4 1 0 1 \$6,500
						Lifetime			20 3 3 4 \$23,600

30Jun81-6Hol 6f :224 :46 1:113 ft *6-5e 1175 33 32 21 1no SmithT3 [E] [S] c12000 81 GoodHpes,LionTmr,HppyDys 12
Jly 28 Dmr 3f ft :37b ● Jun 25 Hol 4f ft :46h ● Jun 30 Hol 3f ft :362h May 25 Hol 4f ft :49b

NOTE: Latest workouts are printed under each horse's past performances when they are available. The "bullet" ● indicates it was the best workout of the day at the track and distance.

Day
↓
30Jun81

Month
↓
6Hol

Year
↓
6f

Number of Race
↓
:224

Track Raced On
↓
:46

Distance
↓
1:113

Fractional Times of Horse in Lead at Each Of These Points
↓
ft

Time of Winner
↓
*6-5e

Track Condition
↓
1175

Denotes Favorite
↓
33

Closing odds
↓
32

Coupled in Wagering (entry)
↓
21

Weight Carried
↓
1no

Apprentice Allowance
↓
SmithT3

First Call
↓
[E]

Second Call
↓
[S]

In Stretch
↓
c12000

At Finish
↓
81

Winning Margin
↓
GoodHpes,LionTmr,HppyDys

Jockey
↓
12

Post Position
↓
A double dagger † shown before the name of any of the first three finishers indicates the horse was disqualified from that position

Race Exclusively for Fillies or Fillies & Mares
↓
Restricted Race (Not for Open Company)
↓
Denotes Claim
↓
Type of Race or Claiming Price
↓
Speed Rating

First Three Horses In Order of Finish
↓
Number of Starters

KEY TO SYMBOLS, ABBREVIATIONS IN PAST PERFORMANCES

FOREIGN-BRED HORSES

An asterisk (*) preceding the name of the horse indicates foreign-bred. (No notation is made for horses bred in Canada and Cuba.)

MUD MARKS

*—Fair mud runner X—Good mud runner
⊗—Superior mud runner

COLOR

B—Bay Blk—Black Br—Brown Ch—Chestnut Gr—Gray
Ro—Roan Wh—White Dk b or br—Dark bay or brown

SEX

c—colt h—horse g—gelding rig—ridgling f—filly m—mare

PEDIGREE

Each horse's pedigree lists, in the order named, color, sex, age, sire, dam and grandsire (sire of dam).

BREEDER

Abbreviation following breeder's name indicates the state, Canadian province, place of origin or foreign country in which the horse was foaled.

TODAY'S WEIGHT

With the exception of assigned-weight handicap races, weights are computed according to the conditions of the race. Weight includes the rider and his equipment; saddle, lead pads, etc., and takes into account the apprentice allowance of pounds claimed. It does not include a jockey's overweight, which is announced by track officials prior to the race. The number of pounds claimed as an apprentice allowance is shown by a superior (small) figure to the right of the weight.

TODAY'S CLAIMING PRICE

If a horse is entered to be claimed, the price for which he may be claimed appears in bold face type to the right of the trainer's name.

RECORD OF STARTS AND EARNINGS

The horse's racing record for his most recent two years of competition appears to the extreme right of the name of the breeder and is referred to as his "money lines". This lists the year, number of starts, wins, seconds, thirds, and earnings. The letter "M" in the win column of the upper line indicates the horse is a maiden. If the letter "M" is in the lower line only, it indicates the horse was a maiden at the end of that year.

TURF COURSE RECORD

The horse's turf course record shows his lifetime starts, wins, seconds, thirds and earnings on the grass and appears directly below his money lines.

LIFETIME RECORD

The horse's lifetime record shows his career races, wins, seconds, thirds and total earnings. The statistics, updated with each start, include all his races—on dirt, grass and over jumps—and are located under the trainer's name.

DISTANCE

a—preceding distance (a6f) denotes "about" distance (about 6 furlongs in this instance.)

FOREIGN TRACKS

◆—before track abbreviation indicates it is located in a foreign country.

RACES OTHER THAN ON MAIN DIRT TRACK

▣—following distance denotes inner dirt course.
①—following distance indicates turf (grass) course race.
②—following distance indicates inner turf course.
[S]—following distance indicates steeplechase race.
[H]—following distance indicates hurdle race.

TRACK CONDITIONS

ft—fast fr—frozen gd—good sl—slow sy—sloppy
m—muddy hy—heavy
Turf courses, including steeplechase and hurdles:
hd—hard fm—firm gd—good yl—yielding sf—soft

SYMBOLS ACCOMPANYING CLOSING ODDS

* (preceding)—favorite e (following)—entry
f (following)—mutuel field

APPRENTICE OR RIDER WEIGHT ALLOWANCES

Allowance indicated by superior figure following weight—117⁵.

ABBREVIATIONS USED IN POINTS OF CALL

no—nose hd—head nk—neck

WORKOUTS

Each horse's most recent workouts appear directly under the past performances. For example, Jly 20 Hol 3f ft 38b indicates the horse worked on July 20 at Hollywood Park. The distance of the work was 3 furlongs over a fast track and the horse was timed in 38 seconds, breezing. A "bullet" ● appearing before the date of a workout indicates that the workout was the best of the day for that distance at that track.

Abbreviations used in workouts:

b—breezing d—driving e—easily g—worked from gate h—handily bo—bore out ①—turf course Tr—trial race
tr.t following track abbreviation indicates horse worked on training track.

DEAD-HEATS, DISQUALIFICATIONS

♦—following the finish call indicates this horse was part of a dead-heat (an explanatory line appears under that past performance line).
†—following the finish call indicates this horse was disqualified. The official placing appears under the past performance line. An explanatory line also appears under the past performance of each horse whose official finish position was changed due to the disqualification.
‡—before the name of any of the first three finishers indicates the horse was disqualified from that position.

POST POSITION

Horse's post position appears after jockey's name—Smith T3

FILLY OR FILLY-MARE RACES

♀—preceding the race classification indicates races exclusively for fillies or fillies and mares.

RESTRICTED RACES

[S]—preceding the race classification indicates races that are not for open company, in addition to those for state-breds.

RACE CLASSIFICATIONS

10000—Claiming race (eligible to be claimed for \$10,000). Note: The letter c preceding claiming price (c10000) indicates horse was claimed.

M10000—Maiden claiming race (non-winners—eligible to be claimed).

10000H—Claiming handicap (eligible to be claimed).

010000—Optional claiming race (entered NOT to be claimed).

100000—Optional claiming race (eligible to be claimed).

Mdn—Maiden race (non-winners).

AlwM—Maiden allowance race (for non-winners with special weight allowances).

Aw10000—Allowance race with purse value.

HcpO—Overnight handicap race.

SpW—Special weight race.

Wfa—Weight-for-age race.

Mtch—Match race.

A10000—Starter allowance race (horses who have started for claiming price shown, or less, as stipulated in the conditions).

H10000—Starter handicap (same restriction as above).

S10000—Starter special weight (restricted as above). Note: Where no amount is specified in the conditions of the "starters" race dashes are substituted, as shown below:

A— H— S—

50000S—Claiming stakes (eligible to be claimed).

STAKES RACES

In stakes races, with the exception of claiming stakes, the name or abbreviation of name is shown in the class of race column. The letter "H" after name indicates the race was a handicap stakes. The same procedure is used for the rich invitational races for which there are no nomination or starting fees. The letters "Inv" following the abbreviation indicate the race was by invitation only.

SPEED RATINGS

This is a comparison of the horse's final time with the track record established prior to the opening of the racing season at that track. The track record is given a rating of 100. One point is deducted for each fifth of a second by which a horse fails to equal the track record (one length is approximately equal to one-fifth of a second). Thus, in a race in which the winner equals the track record (a Speed Rating of 100), another horse who is beaten 12 lengths (or an estimated two and two-fifths seconds) receives a Speed Rating of 88 (100 minus 12). If a horse breaks the track record he receives an additional point for each one-fifth second by which he lowers the record (if the track record is 1:10 and he is timed in 1:09 $\frac{3}{5}$, his Speed Rating is 102). In computing beaten-off distances for Speed Ratings, fractions of one-half length or more are figured as one full length (one point). No Speed Ratings are given for steeplechase or hurdle events, for races of less than three furlongs, or for races for which the horse's speed rating is less than 25.

When Daily Racing Form prints its own time, in addition to the official track time, the Speed Rating is based on the official track time.

Note: Speed Ratings for new distances are computed and assigned when adequate time standards are established.

POINTS OF CALL—PAST PERFORMANCES

The points of call in the past performances vary according to the distance of the race. The points of call of the running positions for the most frequently raced distances are:

Distance	1st Call	2nd Call	3rd Call	4th Call	Distance	1st Call	2nd Call	3rd Call	4th Call
2 Furlongs	Start	—	Stretch	Finish	1 Mile	1/2 Mile	3/4 Mile	Stretch	Finish
5/16 Mile	Start	—	Stretch	Finish	1 Mi., 70 Yds.	1/2 Mile	3/4 Mile	Stretch	Finish
3 Furlongs	Start	—	Stretch	Finish	1 1/16 Miles	1/2 Mile	3/4 Mile	Stretch	Finish
3 1/2 Furlongs	Start	—	Stretch	Finish	1 1/8 Miles	1/2 Mile	3/4 Mile	Stretch	Finish
4 Furlongs	Start	1/4 Mile	Stretch	Finish	1 3/16 Miles	1/2 Mile	3/4 Mile	Stretch	Finish
4 1/2 Furlongs	Start	1/4 Mile	Stretch	Finish	1 1/4 Miles	1/2 Mile	1 Mile	Stretch	Finish
5 Furlongs	3/16 Mile	3/8 Mile	Stretch	Finish	1 5/16 Miles	1/2 Mile	1 Mile	Stretch	Finish
5 1/2 Furlongs	1/4 Mile	3/8 Mile	Stretch	Finish	1 3/8 Miles	1/2 Mile	1 Mile	Stretch	Finish
6 Furlongs	1/4 Mile	1/2 Mile	Stretch	Finish	1 1/2 Miles	1/2 Mile	1 1/4 Miles	Stretch	Finish
6 1/2 Furlongs	1/4 Mile	1/2 Mile	Stretch	Finish	1 5/8 Miles	1/2 Mile	1 3/8 Miles	Stretch	Finish
7 Furlongs	1/4 Mile	1/2 Mile	Stretch	Finish	1 3/4 Miles	1/2 Mile	1 1/2 Miles	Stretch	Finish

NOTE: The second call in most races is made 1/4 mile from the finish; the stretch call 1/8 mile from the finish.

The Various Types of Bets

Wagers at the racetrack are of two types, straight bets and so-called exotic, or gimmick, bets. The straight bets are to win, place, and show. It is these bets that we are concerned with in this book. Specifically, the Dr. Z system determines when good place and show bets exist and how much should be bet on them. Exotic bets combine the outcomes of two, three, or six horses. It is unlikely that a given ticket will win, which is why they have such high payoffs. We describe these bets here for your information. There is one important point to remember about them in case you do play them: The track take is generally higher by 2% or more on exotic wagers than on straight bets. Therefore, on average, it is more difficult to beat the race-track by betting in exotic pools than in straight wagering. Now let's describe the various types of bets.

Type of Bet	You Choose	You Win Only When
Win	One horse	This horse is first.
Place	One horse	This horse is first or second.
Show	One horse	This horse is first, second, or third.
Quinella	Two horses	These two horses finish first and second, in either order.
Exactor (Perfector)	Two horses	These two horses finish first and second in the exact order that you specified.
Triactor (Trifector)	Three horses	These three horses finish first, second, or third in the exact order that you specified.
Daily double	One horse in one race and a second horse in another race (usually races 1 and 2)	Both horses finish first.
Pick six (Sweep six)	One horse in each of six consecutive races	All six horses finish first.

How the Odds Are Determined: The Track Take and Breakage

There are two basic systems for setting the odds in horse races: *fixed* and *parimutuel* odds. Legalized bookmakers may set their own odds. These odds may be different at various points in time as more information and

bets are made. Fixed means that once a wager is placed, its odds are specified and will not change, even though one might be able to place another wager later at different odds. For example, months before the Kentucky Derby, such odds are available at various legalized betting establishments for most of the possible contenders and entrants in this race. Since many horses are on the list of Derby hopefuls, a considerable number of which will not even run in the race, these odds are quite high. The 1983 Kentucky Derby winner, Sunny's Halo, went off at 5—2 at Churchill Downs on Derby Day, paying \$7 for each \$2 bet to win—\$5 profit and \$2 return of the wager. Sunny's Halo was a 100—1 shot in the Las Vegas winter book. The wife of David Cross, Sunny's Halo's trainer, bet \$200 at those odds and received a \$20,000 profit plus her \$200 bet.

Fixed betting is used very extensively at racetracks in many British Commonwealth countries, such as Australia, Great Britain, and Hong Kong. It is not used at North American racetracks. Here the parimutuel system is used. The essence of the fixed-odds system of betting is that you are wagering against the bookmaker. One of you will lose. He or she must therefore set odds on the various horses that will turn a profit for him or her. To do this the bookmaker sets odds that pay you less than what he or she thinks the true chances of each horse's winning are. For example, if Larry thinks a particular horse has a 25% chance of winning, he might offer you odds of 5—2. Then if the horse wins, he will pay you \$7 instead of \$8 for your \$2 bet. The extra \$1 is Larry's expected profit. To make actual profits rather than the expected average profits, he will try to balance the bets so that he has an amount of money inversely proportional to the payout he is giving on each horse. In that way he is assured of making a profit. If too little money is bet on a particular horse, Larry can attempt to generate more bets by raising the odds. This cat-and-mouse game continues until the race is run.

Let us see how it works with an example. For simplicity, suppose there are three horses—A, B, and C. The bookie thinks A has a 50% chance of winning, B has a 30% chance, and C has a 20% chance. True odds are then 1—1 for A, 7—3 for B, and 4—1 for C. These odds are set so that the average return is the amount bet, so there are no profits. For example, with A the average return is $0.5(1 + 1) = 1$. (Recall that with 1—1 odds, the return is the \$1 profit plus the return of the original \$1 bet.) For B and C it's similar, since $0.3(\frac{7}{3} + 1) = 0.2(4 + 1) = 1$. Hence to make a profit, the bookie might quote 4—5 for A, 2—1 for B, and 7—2 for C. For Larry to be guaranteed a profit, he needs bets roughly in the ratio of 50% bet on A, 30% bet on B, and 20% bet on C. If too little money is bet on A, he might increase the odds to 9—10 or even 1—1. In this way he can balance his books and still guarantee his profit. He will not be able to do this

in all cases. Hence he needs to ensure a reasonable profit by taking a sizable commission. The commission plus his winnings then outweigh his losses. This is where the parimutuel system comes in.

Pierre Oller was a perfume shop owner who played the horses in the 1850s in Paris. After a while he felt that the bookies were taking too much profit. He thought that there should be a better system, so he began to sell different types of perfume for the different horses. For example, Jasmine might be number one and Gardenia number two. The bettors would get small perfume bottles for their bets and Pierre would hold the money. After the race all the perfume bottles were returned, Pierre kept 5% of the money for his profit and expenses, and he distributed the remaining 95% equally among all those who had perfume bottles corresponding to the winning horse. This was the origin of the parimutuel system as Pierre Oller devised it in 1855. It is still used in the same way today except the perfume bottles have been replaced by electronic totalizator tickets. Notice that the key feature in the parimutuel system is that you are betting against all the other bettors and the house is taking a fixed commission. The house plays a passive role—its profit is always the same. In the fixed betting system you are betting against the house, and the commission is not determined in advanced. It can be large or small or even result in a loss for the house.

For example, suppose W_i is the amount bet on horse i to win, Q is the track payback, and there are ten horses. Then the payoff per dollar bet using the parimutuel system if horse number 3 wins is

$$\frac{Q \sum_{j=1}^{10} W_j}{W_3} = \frac{Q(W_1 + W_2 + \cdots + W_{10})}{W_3}.$$

If the track payback is 83%, corresponding to a typical 17% track take, and \$10,000 is bet on all the horses, with \$1,700 bet on horse number 3, the payoff for the typical \$2 bet if number 3 wins will be

$$\frac{0.83(\$10,000)(\$2)}{\$1,700} = \$9.76.$$

It is awkward to pay \$9.76, so the track takes one more commission, called the breakage. They round the \$9.76 down to either \$9.70 or \$9.60. These are the 5¢ and 10¢ breakages we described in Chapter One. Initially most tracks used 5¢ breakage, but because of inflation and rising costs, more and more are using 10¢ breakage. Breakage amounts to another 1%–3% on your bets, making the average total commission about 17% + 2%, or 19%. Breakage is more important than is commonly realized. We discuss its impact

on Dr. Z system bets in Chapter Nine. Suffice it to say that these small amounts cut deeply into profits.

The parimutuel system works in a similar way for place and show bets as well as for exotic bets. We discuss place and show bets in detail in Chapter Four.

PARI-MUTUEL WAGERING

The only permitted wagering is under the pari-mutuel system, employing an electric totalisator. The only wagering pools at Churchill Downs are for WIN, PLACE, SHOW, DAILY DOUBLE and EXACTA, each with separate and independent calculation and distribution.

Under the pari-mutuel system, the wagering patrons establish the odds and the pay-offs in each pool. From each such pool the commission, provided by Kentucky state law, is deducted with the remainder being the net pool for distribution as pay-offs to ticket holders. Each pool is calculated to the dollar with the pay-off to the dime, the resulting breakage going to the racing association, by law.

The number on your ticket is an interest in the pool involved. All horses coupled in an entry or in the "field" are running for the number on your ticket. Example: Horse No. 1, 1A, 1C and/or 1X are all represented by Ticket No. 1. All horses in a "field" entry are represented by Ticket No. 12.

Purchase your ticket by the number on the program. Please call the number of the horse first, then the quantity of tickets desired: Example: "Number seven, two tickets."

In a Win Pool with a single winner, the amount wagered on the winner is deducted from the net pool to give the profit. This is added to the amount wagered to give the pay-off price, which includes the return of the amount wagered with the profit.

In a Place Pool, with two interests, the amount wagered on both interests is deducted from the net pool with the resulting profit divided equally and added to the amount wagered to give two pay-off prices.

In a Show Pool, with three interests, the profit is divided into three equal parts added to the amount wagered for the three pay-off prices.

Daily Double and Exacta wagers are in separate pools and the pay-off prices are figured by the same calculation process as for Win, Place and Show.

If more than the usual number of interests are involved in any pool, i.e., WIN-one, PLACE-two and SHOW-three, the pools are divided so as to give a proportionate profit to each wagering interest.

APPROXIMATE PAY TO WIN

(FOR \$2.00) — IF THE ODDS ARE . . .

Odds	Pays	Odds	Pays	Odds	Pays
1-5	\$2.40	6-5	\$4.40	5-2	\$ 7.00
2-5	2.80	7-5	4.80	3	8.00
1-2	3.00	3-2	5.00	7-2	9.00
3-5	3.20	8-5	5.20	4	10.00
4-5	3.60	9-5	5.60	9-2	11.00
1	4.00	2	6.00	5	12.00

CHAPTER 3

Applying Stock Market Efficiency Concepts to Horse-Racing Betting Markets



The Crowd Is Very Good at Estimating the True Probability of Winning: Efficiency of the Win-Betting Market

We have stated that, on average, the crowd is quite a good predictor of the actual probability of each horse's winning. Let us now look at this more carefully. In Figure 3.1 we have plotted the rate of return for win bets at various odds levels for six different data sets. The same data appear in Table 3.1, and Figure 3.2 summarizes it all. These data include a total of 35,285 races involving over 300,000 horses over the 28-year period 1947–75. We have added the track take back to the amounts the track pays to help you understand more fully what is going on and to permit comparisons among the different track takes. Generally speaking, track takes have risen over the years.

Each investigator found that the odds are a fairly good predictor of the actual probability of winning, but that there are biases for low- and high-odds horses; low-odds favorites are underbet. Their true probability of winning is greater than the crowd believes it is. Thus for horses going off at odds around 0.75—1, the rate of return is 9.1% better than chance. It is 6.4% and 6.1% better than chance for horses going off at odds around 1.25—1 and 2.5—1, respectively. To compensate for this bias, horses that have high odds, the so-called long shots, are overbet. Their actual chances of winning are less than the public thinks. For odds around 6—1 to 12—1, this overbetting amounts to 5.2% more than the track take. However, at 15—1 it is a full 10.2%, and at 33—1 it is a whopping 27.7%. Thus if the track take is 19%, you can expect to lose only about 10% by betting extreme

Figure 3.1 Rates of return on win bets at various odds levels for six studies involving 35,285 races during 1947–1975—actual returns: dotted lines; track take added back: solid lines Source: Snyder (1978).

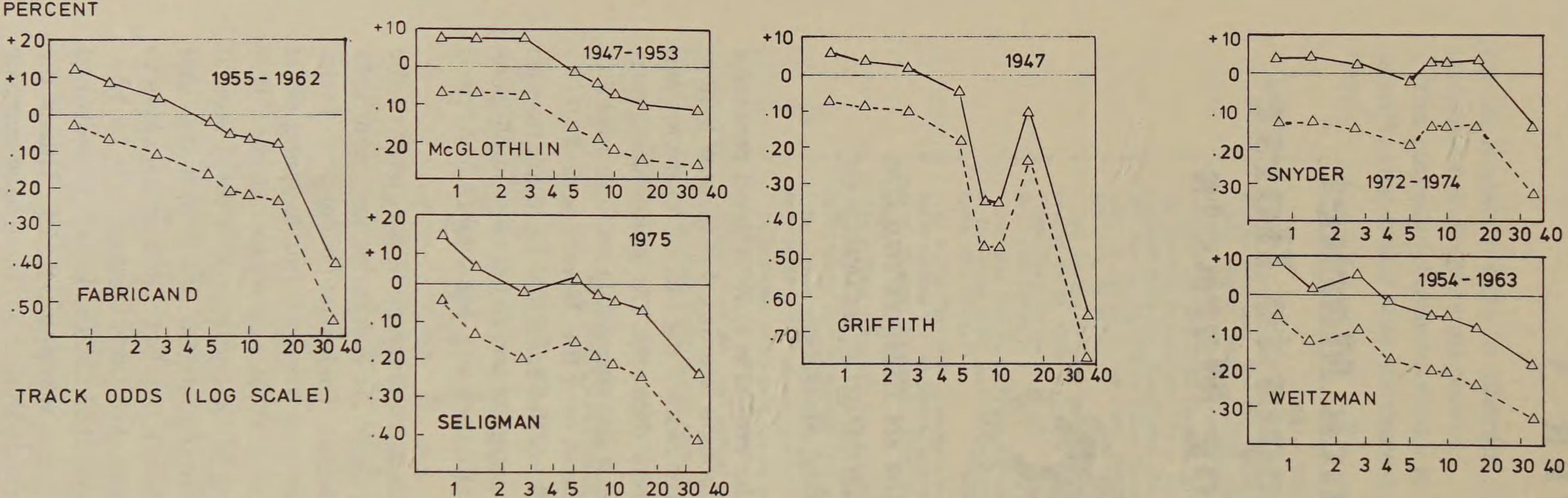


TABLE 3.1 Summary of six studies comparing the rate of return on win bets at various odds levels

Study	Date Published	Racing Dates	No. of Races	Rates of Return by Grouped Odds, Take Added Back (Midpoint of Grouped Odds)							
				0.75	1.25	2.5	5.0	7.5	10.0	15.0	33.0
Griffith	1949	1947	1,124	8.0	4.9	3.1	−3.1	−34.6 ^a	−34.1 ^a	−10.5	−65.5 ^a
McGlothlin	1956	1947–53	9,248	8.0 ^b	8.0 ^a	8.0 ^a	−0.8	−4.6	−7.0 ^b	−9.7	−11.0
Weitzman	1965	1954–63	12,000	9.0 ^a	3.2	6.8 ^a	−1.3	−4.2	−5.1	−8.2 ^b	−18.0 ^a
Fabricand	1965	1955–62	10,000	11.1 ^a	9.0 ^a	4.6 ^a	−1.4	−3.3	−3.7	−8.1	−39.5 ^a
Snyder	1978	1972–74	1,730	5.5	5.5	4.0	−1.2	3.4	2.9	2.4	−15.8
Seligman	1975	1975	1,183	14.0	4.0	−1.0	1.0	−2.0	−4.0	−7.8	−24.2
Combined			35,285	9.1 ^a	6.4 ^a	6.1 ^a	−1.2	−5.2 ^a	−5.2 ^a	−10.2 ^a	−27.7 ^a

Source: Adapted from Snyder (1978). ^aSignificantly different from zero at 1% level or better. ^bSignificantly different from zero at 5% level or better.

favorites going off at odds from 1—2 to 7—5. You will lose about 13% betting on horses with odds about 8—5 to 4—1 and about 24% with the 6—1 to 12—1 horses. Betting the long shots yields very large average losses. At 15—1 the average loss is about 29%, and for horses going off at odds around 25—1 to 40—1, it's nearly half the bet, about 47%.

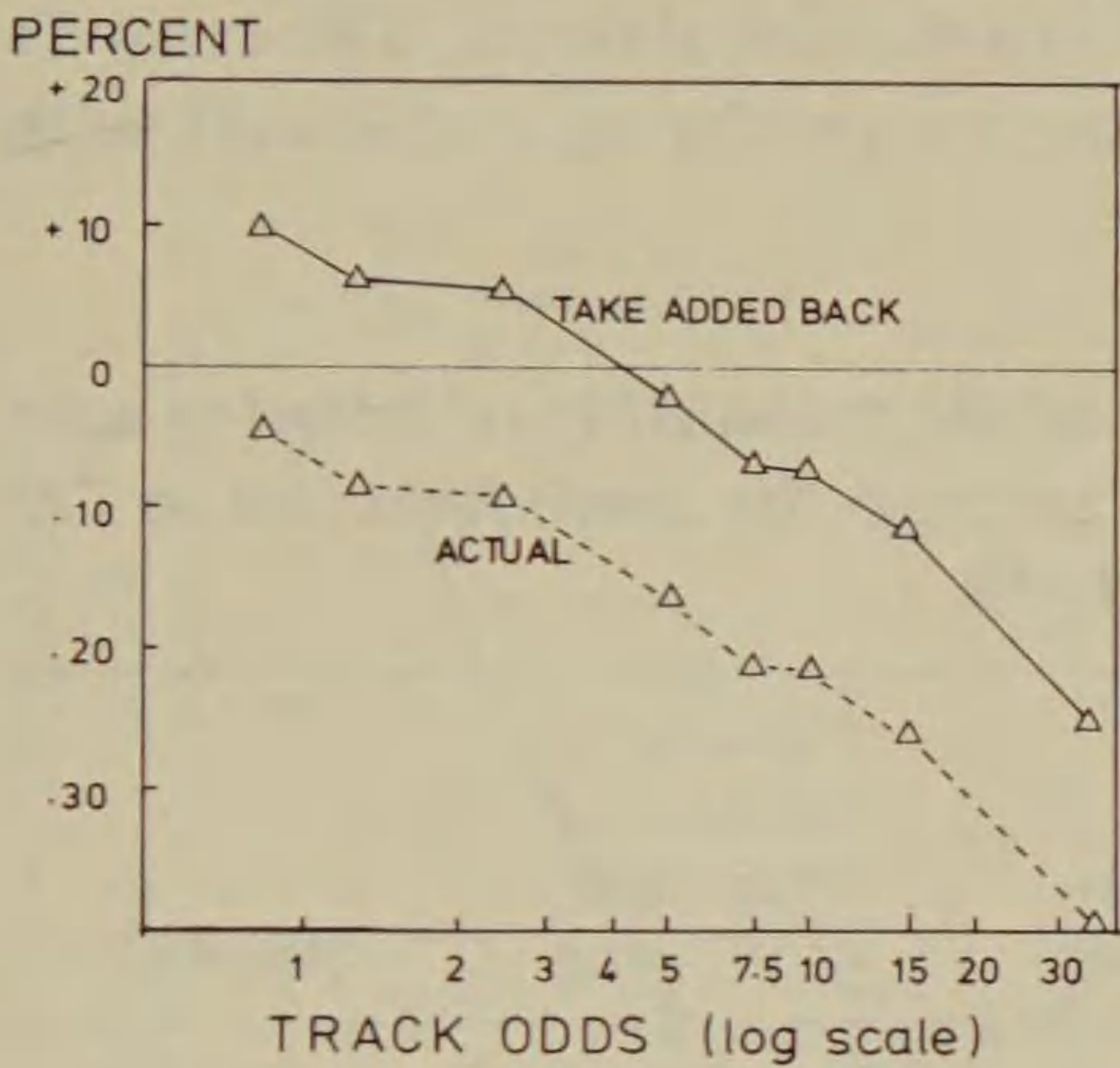


Figure 3.2 Rates of return on win bets at various odds levels: aggregation of six studies involving 35,285 races during 1947–1975 Source: Snyder (1978).

Another way to look at the favorite–long-shot bias and the accuracy of the crowd’s estimate of the true probability of winning, as reflected in the win odds, is by considering the various levels of favorites. Figure 3.3 shows

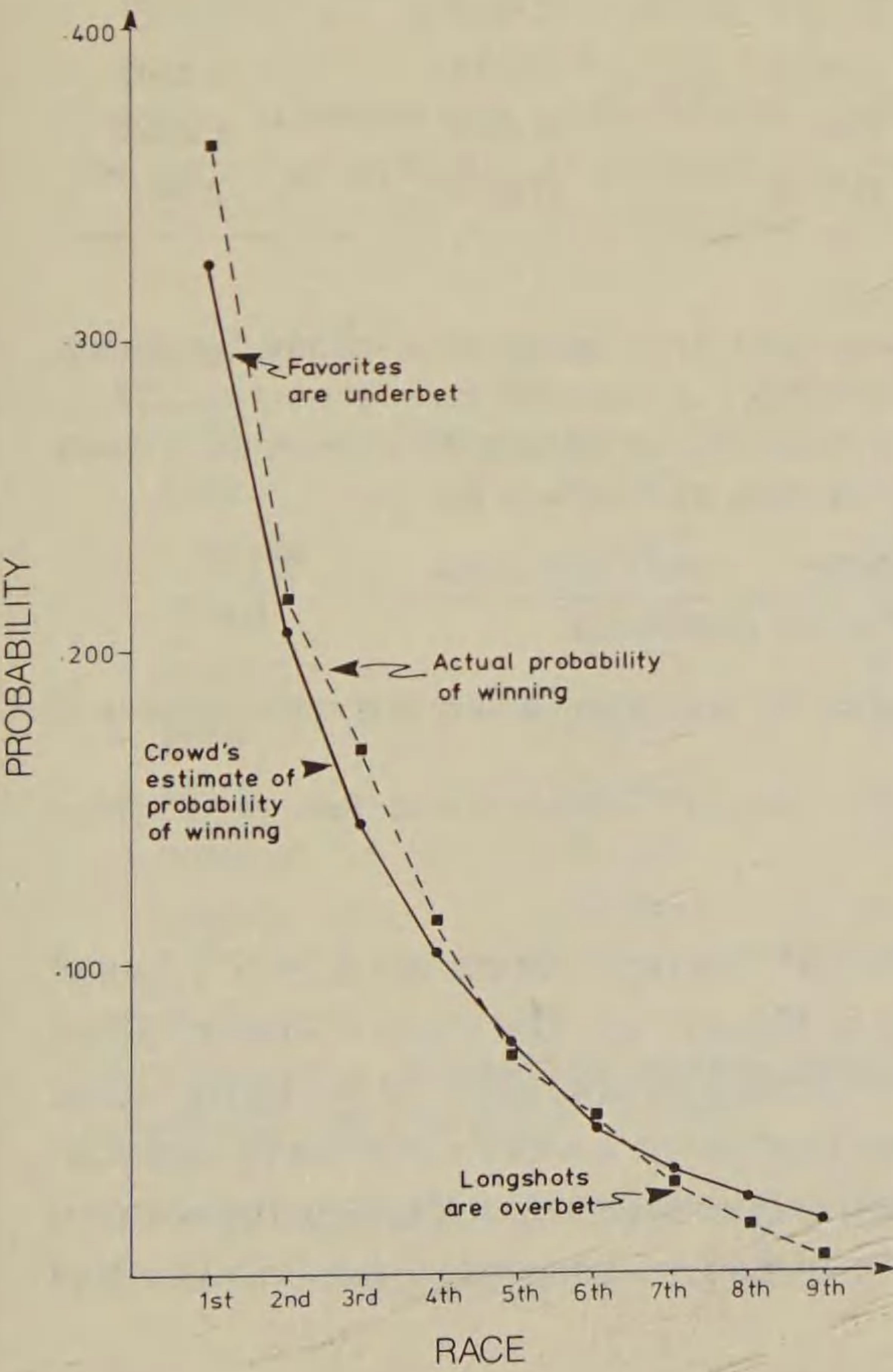


Figure 3.3 Probabilities of the first through the ninth favorites' winning a given race in 729 Atlantic City races involving 5,805 thoroughbred horses in 1978 Source: Asch, Malkiel, and Quandt (1982).

the relationship between the actual probability of winning and the crowd's estimate for the first through the ninth favorites in 729 thoroughbred races involving 5,805 horses in 1978 at Atlantic City. These same data also appear in Table 3.2. The data indicate that the first and third favorites are significantly underbet, while the ninth favorite is significantly overbet. For the other favorites these probabilities are equal in a statistical sense. The crowd's estimate of the probability of winning, however, conforms quite well with the actual probability of winning.

TABLE 3.2 *Comparison of the crowd's estimate of the probability of winning with the actual probability of winning for the first through the ninth favorites in 729 Atlantic City races involving 5,805 horses in 1978*

Favorites in Order of Lowest Odds	Number of Races ^a	Actual Probability of Winning	Crowd's Estimate of Probability of Winning	<i>t</i> Statistic ^b
First	729	0.361	0.325	− 2.119 ^c
Second	729	0.218	0.205	− 0.903
Third	729	0.170	0.145	− 1.972 ^c
Fourth	724	0.115	0.104	− 0.961
Fifth	692	0.071	0.072	0.074
Sixth	598	0.050	0.048	− 0.279
Seventh	431	0.030	0.034	0.480
Eighth	289	0.017	0.025	1.096
Ninth	165	0.006	0.018	2.095 ^c

Source: Asch, Malkiel, and Quandt (1982).

^aThe number of horses declines because many races have only a small number of horses running. The probabilities adjust for the actual number of horses in each race.

^bThe *t* statistic is used to determine if the actual probability of winning differs from the crowd's estimate so that there is a true favorite–long-shot bias. The formula for *t* is

$$\frac{\text{Crowd's estimated probability} - \text{actual probability}}{\text{Standard error of actual probability}},$$

where the standard error is $\sqrt{p(1 - p)/n}$, *p* being the actual probability and *n* the number of races.

^cSignificantly different at the 5% level. That is, we are 95% confident that these probabilities are really different.

In an analogous study involving 20,047 harness races, Ali (1977) found similar results. Once again, as shown in Figure 3.4, the crowd's estimate of the probability of winning tracks the actual probability of winning quite well. The favorite–long-shot bias also occurs in a very consistent fashion. This is shown clearly in Table 3.3. The top favorites are underbet; the second and third choices have equal actual and crowd-generated probabilities of

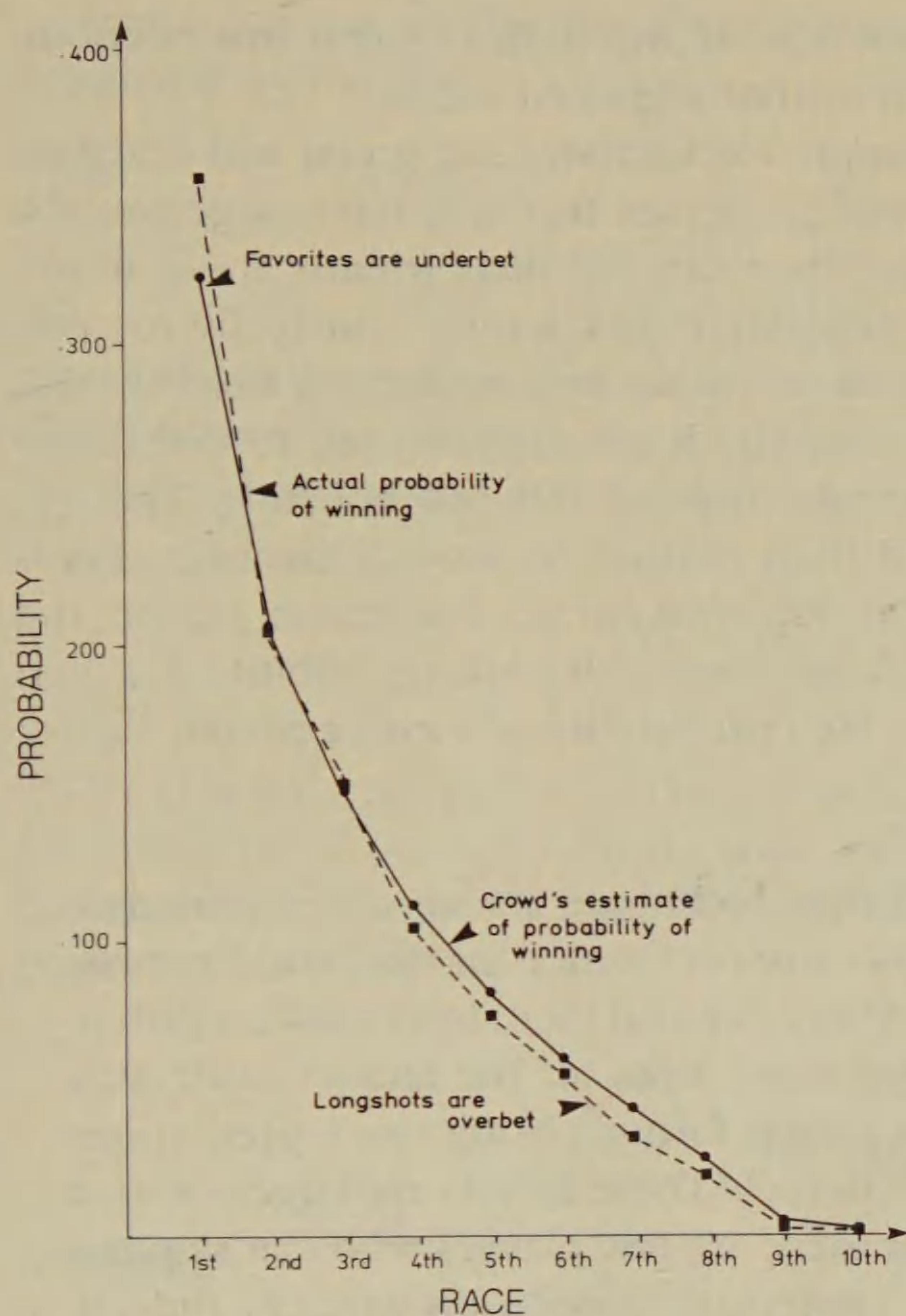


Figure 3.4 Probabilities of first, second, third, . . . , tenth favorites' winning a given race in 20,247 harness horse races at various tracks in 1970–74 Source: Ali (1977).

TABLE 3.3 Comparison of the crowd's estimate of the probability of winning with the actual probability of winning for the first, second, third, . . . , eighth favorites

Favorites in Order of Lowest Odds	Number of Races	Actual Probability of Winning	Crowd's Estimate of Probability of Winning	t Statistic ^a
First	20,247	0.3583	0.3237	− 10.29 ^b
Second	20,247	0.2049	0.2077	− 0.99
Third	20,247	0.1526	0.1513	− 0.52
Fourth	20,247	0.1047	0.1121	3.45 ^b
Fifth	20,231	0.0762	0.0827	3.49 ^b
Sixth	20,088	0.0552	0.0611	3.01 ^b
Seventh	19,281	0.0341	0.0417	5.80 ^b
Eighth	15,749	0.0206	0.0276	6.20 ^b

Source: Ali (1977).
^aThe *t* statistic is calculated in the same manner as in Table 3.2.
^bSignificantly different at the 5% level.

winning. Finally, the fourth to eighth favorites—the long shots—are overbet. This large sample provides further evidence for the efficiency of the win

market and the favorite–long-shot bias. It also indicates that this phenomenon is similar in harness as well as thoroughbred races.

Why do these biases occur? Simple explanations are greed and bragging rights. People simply prefer to bet on horses that will have large payoffs. Not only will they win more, but they can tell their friends about it and reap glory for their cleverness. Bragging rights, a term coined by my colleague Dr. Bruce Fauman, refers to the pleasure one derives from the act of telling one's friends the intricate and clever analysis used to determine a particular winner. Favorites provide little of this ego boosting. There is not much profit or fame derived from betting on a 6–5 favorite who is the best bet of the day in the *Daily Racing Form's* consensus. Hence, the majority of the crowd simply prefers horses with a low probability of a high payoff if they win to those with a high probability of a lower payoff. Snyder states it well:

There is, of course, no statistical technique which can disentangle the relative importance of "subjective preference for risk" and "increasing marginal utility of money." Every bet also includes, besides a potential monetary gain, the utility derived from all the factors associated with making a bet—analyzing racing forms, pitting one's predictions against others and the elements of luck. These factors are largely absent if one selects a known favorite; there are few players who can skip the challenge of trying to ferret out potential longer-odds winners. Indeed, the main reward of horse betting comes from the thrill of successfully detecting a moderately long-odds winner and thus confirming one's ability to outperform everyone else. Snyder (1978; p. 1113).

The favorite–long-shot bias seems to occur in all reasonably large data sets.* For win bets the bias is not enough to make positive profits by betting on all horses in any odds categories. The best one can do is to bet the favorites and lose about 10% instead of 19%. However, as we shall see, that bias plays an integral role in the winning system for place and show betting that we develop in Chapters Four and Five.

Equally important is the finding that the public's estimate of the probability of winning in various odds groups is a very good estimate of the actual probability of winning. Financial analysts call this phenomenon an *efficient market*. It is similar to conclusions reached by analyses of stock prices indicating that the only way to gain excess returns is to incur additional risk.

*Psychologists recognized this phenomenon in the late 1940s. The first seem to have been Preston and Baratta (1948), who investigated subjects in laboratory experiments. This phenomenon is common to many betting and investment situa-

Hence, you can use the following estimate of the probability q_3 , that horse 3 will win a given race:

$$q_3 = \frac{W_3}{W}, \quad (3.1)$$

where W_3 is the amount bet on 3 to win and W is the total amount bet on all the horses to win. Both W_3 and W appear on the tote board. Of course, W_3/W is related to the odds because the odds on horse 3 are simply

$$O_3 = Q \frac{W}{W_3} - 1,$$

where Q is the track payback. The minus one represents the dollar returned per dollar bet if horse 3 actually wins. As an example, suppose \$20,000 is bet on number 3 out of a total win pool of \$80,000. Then the chances that horse 3 wins are about

$$q_3 = \frac{W_3}{W} = \frac{\$20,000}{\$80,000} = 0.25$$

with odds

$$O_3 = Q \frac{W}{W_3} - 1 = (0.85) \frac{\$80,000}{\$20,000} - 1 = 2.4,$$

which would be quoted on the totalizator board as 2—1. Equation (3.1) is a good approximation of the true probability of winning. We must always remember, however, that it will overestimate the chance of a long shot's winning and underestimate the chance of a favorite's winning. It is important to notice that just by using equation (3.1) to estimate the probability of each horse's winning, you have a fairly reliable handicapping system. Jeff MacNelly's cartoon Shoe makes the same point. Choice of the favorites will

tions. Epstein (1977) lists as one of the fallacies of betting behavior that the general public tends to overestimate the probability of infrequent events and underestimate the probability of frequent events. The preference for a big payoff drives down the odds on such wagers, so they are in fact very poor bets. For example, for a \$1 bet, gamble A with a 1% chance of receiving \$75 might be preferred to gamble B where you receive only \$3 but win 40% of the time. Gamble A has an average return of 75¢ per dollar bet, so you lose 25% of your bet on average. However, the attractive gamble B has an expected value of \$1.20, for a profitable 20% gain. There is a similar bias in hockey betting (see Ziemba, 1983).

put you above the average in Figure 1.1. Indeed, by betting only on horses with final odds of say 3—1 or less, you will do as well or better than Hal the Handicapper with no handicapping at all.



Can You Win by Betting on Only the Very Best Horses?

We have established that the public tends to overbet long shots and underbet favorites. If the track take is 18%, you can expect to lose about 28% by betting horses at 15—1 and about 12% by betting 2—1 favorites. The key is that in all cases the bettors lose. Since they lose 12% at 2—1 and only about 9% at 1—1, the question arises whether you might not actually turn a profit if you bet on the extreme favorites—those going off at odds like 3—5 or 1—5.

One of the largest studies of the relationship between expected value and odds was that by Fabricand (see Figure 3.1). He considered 10,000 races, and his findings were consistent with the summary of the other studies in Figure 3.2. He also considered horses going off at odds like 2—5, 3—5, 4—5, and 1—1. His results are summarized in Table 3.5. As you can see, the loss is small. In the range 3—5 to 1—1 it is less than 5%. However, at 2—5 there is a small profit of 3.4%.

TABLE 3.5 *Fabricand's study of the comparison of the public's perception of the winning probabilities with the true winning probabilities in 10,000 races during 1955-1962*

Odds	Number of Horses Entered	Number of Winning Horses	Public's Perception of the Winning Probability (%)	True Probability (%)	Public's Estimate of the Expected Number of Winners plus Two Standard Deviations	Expected Profit per Dollar Wagered (¢)
0.40—0.55	129	92	56.9	71.3	73 ± 11	+ 3.4
0.60—0.75	295	163	50.2	55.3	148 ± 18	— 7.1
0.80—0.95	470	241	44.9	51.3	211 ± 22	— 3.8
1.00—1.15	615	289	40.6	47.0	250 ± 25	— 2.4
1.20—1.35	789	318	37.1	40.3	293 ± 27	— 8.1
1.40—1.55	874	331	34.1	37.9	298 ± 28	— 6.1
1.60—1.75	954	339	31.5	35.5	301 ± 29	— 4.8
1.80—1.95	1,051	325	29.3	30.9	308 ± 30	— 10.5
2.00—2.45	3,223	933	26.3	28.9	848 ± 50	— 6.5
2.50—2.95	3,623	835	22.8	23.0	826 ± 50	— 13.5
3.00—3.45	3,807	797	20.1	20.9	765 ± 50	— 11.0
3.50—3.95	3,652	679	18.0	18.6	657 ± 46	— 11.6
4.00—4.45	3,296	532	16.2	16.1	534 ± 42	— 15.3
4.50—4.95	3,129	486	14.8	15.5	463 ± 40	— 10.6
5.00—5.95	5,586	686	13.2	12.3	737 ± 50	— 20.1
6.00—6.95	5,154	565	11.4	11.0	588 ± 46	— 18.0
7.00—7.95	4,665	460	10.0	9.9	467 ± 41	— 16.4
8.00—8.95	3,990	328	9.0	8.2	359 ± 38	— 21.8
9.00—9.95	3,617	295	8.1	8.2	293 ± 33	— 14.7
10.00—14.95	12,007	717	6.5	6.0	780 ± 54	— 20.7
15.00—19.95	7,041	284	4.7	4.0	331 ± 35	— 26.4
20.00—99.95	25,044	340	2.5	1.4	626 ± 50	— 54.0
TOTALS	93,011	10,035 ^a				

Source: Adapted from Fabricand (1965, 1979).

^aThere were 35 dead heats in the 10,000 races.

Let's look more fully at some bets in this odds range. The great horses of the twentieth century often ran at odds in this range. It does not take long for the public to recognize a Secretariat or a Man O' War. As soon as these horses won one or two convincing races, their odds plummeted to even money or less. But were the odds better than they should have been? Table 3.6 gives the results from bets on fourteen of the greatest horses of the twentieth century.

TABLE 3.6 *Rate of return on win bets for extreme favorites: fourteen great twentieth century horses*

Horse	Racing Dates	Wins/ Races	In the Money/ Races	Odds Ranges (wins/races)			
				1—100 to 1—20	1—15 to 1—7	3—20 to 9—50	1—5 to 2—9
Citation	1947–51	32/45	44/45	1/1	6/6	3/3	5/6
Colin	1907–08	15/15	15/15		3/3		1/1
Count Fleet	1942–43	16/21	21/21	2/2	2/2	1/1	1/2
Equipoise	1930–35	29/51	43/51		4/4	1/2	0/2
Exterminator	1917–24	50/100	84/100	1/1	1/1	1/1	2/2
Forego	1973–78	34/57	50/57	2/2			2/2
Kelso	1959–66	39/63	53/63		1/1	1/1	2/2
Man O' War	1919–20	20/21	21/21	6/6	3/3	1/1	
Nashua	1954–56	22/31	28/31			1/1	3/3
Native Dancer	1952–54	21/22	22/22	3/3	1/1	2/2	3/3
Secretariat	1972–73	16/21	20/21	1/1	4/5		3/3
Swaps	1954–56	19/25	23/25	1/1	1/1	2/2	
Sysonby	1904–05	14/15	15/15	3/3		1/1	
Tom Fool	1951–53	21/30	29/30				
Totals		348/517	468/517	20/20	26/27	14/15	22/26
Percent winners		67.3%	90.5%	100%	96.3%	93.3%	84.6%
Winning payoff				\$2.10	\$2.20	\$2.30	\$2.40
Rate of return		1.04		1.05	1.06	1.07	1.02
		± 0.07 ^a		1.05 ± 0.06 ^a			

Note: The data used to construct this table were obtained from the 1982 Edition of the *American Racing Manual*. In calculating the payoffs and rates of return, it is assumed that breakage is to the nearest 5¢ per dollar wagered. For odds less than 1—20, it is assumed that the payoff is \$2.10 per \$2 wagered, as is standard for a minus pool (see Chapter Fifteen).

How would you have done betting on these horses? On average, if you bet them only when they were running at 3—5 or less, the average profit would be 3.8%. Moreover, you would be ahead betting in 10 of the 12 odds categories. In addition, the expected return is higher the lower the odds are. The lowest odds were the three races Man O' War won at 1—100. Unfortunately, even though the sample involves 517 races, statistically it is possible that this entire 3.8% is simply due to chance. One must conclude that even with these great horses you cannot be reasonably sure of making a profit. Further complicating the analysis of these extreme favorites is a phenomenon called a *selection bias*. These horses were selected for the

TABLE 3.6 (continued)

Odds Ranges (wins/races)							
1—4	3—10 to 1—3	7—20	2—5	9—20	1—2	11—20	3—5
0/2	2/5	1/1	4/5	0/1	0/2		1/1
1/1	1/1	1/1	2/2		1/1		1/1
2/2			1/1		1/2		
2/2	0/1		4/4	0/2	1/2	1/1	3/4
1/1	3/3	1/2		1/3	1/1		3/4
			2/4		1/1		8/12
3/3	6/6		4/7		4/6		1/3
			1/1	1/1	2/2	1/2	1/1
1/1	3/4		2/2		1/1		
2/2	1/1		2/2		1/1		
	2/4		2/2		1/1		
	3/6		1/1				
1/1	1/1		2/2	1/1			1/1
2/2					1/1		
15/17	22/32	3/4	27/33	3/8	15/21	2/3	19/27
88.2%	68.8%	75%	81.8%	37.5%	71.4%	66.7%	70.4%
\$2.50	\$2.60	\$2.70	\$2.80	\$2.90	\$3.00	\$3.10	\$3.20
1.10	0.89	1.01	1.15	0.54	1.07	1.03	1.13
1.04 ± 0.12 ^a				1.02 ± 0.13 ^a			

^aThese rates of return and those in Table 3.7 are expected values plus or minus two standard deviations. The standard deviation may be estimated by $\sqrt{\sum(X_i - \bar{X})^2/(N - 1)N}$, where X_i is the return in the i th race out of the N races in each category and \bar{X} is the average return.

list of greatest horses simply because they won most of their races. Horses that ran several races at low odds, then lost their form, don't appear on this list. Proud Appeal, the 1981 Kentucky Derby favorite, was one such horse. His past performances appear on page 202 in Chapter Ten.

To study the matter more fully, we collected data on all the races run at Aqueduct, Belmont Park, and Saratoga in 1980. These data constitute the major races run in New York that year and include about 3,000 races. In 732 of these races a horse went off at odds of even money or less. The results appear in Table 3.7. On average, the rate of return for odds of even money or less was 0.90 or a 10¢ loss per dollar bet. Again, the highest rate

TABLE 3.7 *Rate of return on win bets for extreme favorites: 732 races in New York in 1980*

Track	Racing Dates	Wins/ Races	In the Money/ Races	Odds Ranges (wins/races)		
				1—10	1—5	3—10
Aqueduct	Jan. 1—Mar. 17, Mar. 19—May 19, Oct. 15—Dec. 31	208/422 (49.3%)	341/417 (81.8%)	0/0	3/3	1/1
Belmont Park	May 21—July 28, Aug. 27—Oct. 13	154/270 (57%)	231/264 (87.5%)	1/1	1/1	10/13
Saratoga	July 30—Aug. 25	21/40 (52.5%)	39/40 (97.5%)	0/0	0/0	0/0
Totals	313 Days	383/732	611/721	1/1	4/4	11/14
Percent winners		52.3%	84.7%	100%	100%	78.6%
Winning payoff				\$2.20	\$2.40	\$2.60
Rate of return		0.90 ± 0.04	0.96 ± 0.04	<div>1.101.201.02</div> <div>1.06 ± 0.15</div>		

Notes: The data used to construct this table were obtained from *Daily Racing Form's Chart Books* for 1980. Breakage at all three tracks is to the nearest 10¢ per dollar wagered. Thanks are due to Brian Canfield for help in collecting and analyzing this data.

of return was achieved by the lowest-priced horses. For horses going off at 3—10 or less the rate of return was +6%. However, as with the other studies, one cannot conclude that these profits were not due to chance. Indeed, there is no basis to argue that even with these extreme favorites you will do any better than break even.

Readers who are unfamiliar with statistical reasoning, standard deviations, and the like might look at the odds category 9—10. Here the expected return was a meager 0.67, while at 4—5 it was 0.97 and at 1—1 it was 0.96. The statistical analysis shows that, by chance, the returns in this category were quite low. Certainly with a larger sample of races, one would expect the 4—5, 9—10, and 1—1 odds categories to have similar rates of return. Thus, although the sample size of 136 seems quite sizable, it is really too small for definitive conclusions.

In summary, the evidence that we have on extreme favorites is as follows: First, the lower the odds on a horse, the higher the expected return seems to be. Second, extreme favorites going off at odds of 2—5 or less do seem to return a modest profit on average. Finally, even in the odds group of less than 2—5, there is no basis for any definitive statement that you can bet

TABLE 3.7 (continued)

Odds Ranges (wins/races)						
2—5	1—2	3—5	7—10	4—5	9—10	1—1
20/31	26/41	19/36	36/70	35/70	29/80	39/90
16/23	17/24	17/28	25/45	29/52	14/44	24/39
1/2	3/5	2/3	4/7	5/6	5/12	1/5
37/56	46/70	38/67	65/122	69/128	48/136	64/134
66.1%	65.7%	56.7%	53.3%	53.9%	35.3%	47.8%
\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00
0.93	0.99	0.91	0.91	0.97	0.67	0.96
0.94 ± 0.05			0.87 ± 0.04			

The results of place and show bets on these races are discussed in Chapter Thirteen. See Tables 13.2 and 13.3 and the accompanying discussion.

all horses to win at this odds level and make profits. You cannot disprove the hypothesis that you will, at most, simply break even betting these horses to win. To make a definitive statistical statement would require a sample size of at least five years' data in a major racing locality, such as California or New York. At best, even if someone could prove their existence, such profits would be very small anyway. Your attention is better directed to more profitable place and show bets—which is precisely what we do in the rest of this book.

How Accurate Is the Morning Line?

THE MORNING LINE

... is an early estimate of probable odds. In the event of scratches or other material changes after the program is printed, a revised Morning Line will be posted. The actual odds on all races are determined by the bettors.

Except for the fact that favorites are overbet and long shots are underbet, the public's estimate of the probability of winning is remarkably close to

the actual probability of winning. This analysis is based on the final odds of all the bettors at the racetrack. The question arises about the use of the morning-line odds. Are they more or less accurate? Are they any good at all? Are horses whose actual odds are higher than the morning line more likely or less likely to win? How about those horses that go off at lower odds?

The consensus and evidence are that as a predictor of the probability of winning, the morning odds are much less accurate than the actual final odds. Late bettors are those who bet near the end of the betting period. Winning horses are especially favored by these late bettors and losers are not. Horses that go off at odds less than their morning-line odds are more likely to win than those that go off at odds higher than their morning-line odds. Thus if a horse is 3—1 in the morning line and is going off at 6—1, its actual chance of winning is approximately

$$\frac{\text{Track payback}}{6 + 1} = \frac{0.84}{7} = 14\% \quad \text{and not} \quad \frac{0.84}{3 + 1} = 21\%.$$

Similarly, an 8—1 shot in the morning line going off at 2—1 has a chance of winning of about

$$\frac{0.84}{2 + 1} = 28\% \quad \text{and not} \quad \frac{0.84}{8 + 1} = 9\%.$$

Table 3.8, based on 792 races at Atlantic City in 1978, illustrates the situation.

Table 3.8 indicates that the horses that win have final odds that are less than the morning line. Horses that do not win and finish second, third, or out of the money have final odds that are larger than their morning-line odds. For example, the second-place finishers have odds 1.16 times the morning-line odds, the third-place finishers 1.22 times the morning-line odds, and the out-of-the-money finishers a whopping 1.59 times the morning-line odds. Moreover, the last two columns of Table 3.8 indicate that people who bet near the end of the betting period are even more accurate predictors of the actual probability of finish. These data are consistent with the notion of “smart money”—those betting in the last few minutes before a race begins are better informed than the general public. They generally bet at this time so as not to tip their hand regarding their bet. Their predictions of the probability of winning are better than those of the general public.

An example of how the final odds may differ from the morning-line odds is provided by the first race at Churchill Downs on May 7, 1983. The morning-line favorite, Modicum at 9—5, went off at 8—5 and won the race.

TABLE 3.8 Relationship between the final and morning-line odds for all and late bettors for horses finishing in or out of the money

Horses Finishing	Final Track Odds as a Percentage of Morning-Line Odds	Odds Produced by Bettors in the Last Eight Minutes of Betting as a Percentage of Morning-Line Odds	Odds Produced by Bettors in the Last Five Minutes of Betting as a Percentage of Morning-Line Odds
First	96	82	79
Second	116	106	101
Third	122	117	107
Out of the money	159	163	149

Source: Asch, Malkiel, and Quandt (1982).

AMERICAN TURF AUTHORITY

Racing

Form

4 1/2 FURLONGS

START

FINISH

MAIDEN

PURSE \$8,000

(Plus \$2,000 from the Kentucky Thoroughbred Development Fund)

MAIDEN FILLIES, TWO YEARS OLD, 118 lbs

Track Record—MISS SUMMER TIME (2) 116 lbs., :51 1/4, May 1, 1961

VITE FLYING (2) 117 lbs., :51 1/4, May 6, 1969

MAKE SELECTION BY NUMBER

Owner

Trainer

Jockey/Morn Line

WIN

PLACE

SHOW

1

2

3

4

5

6

7

8

9

10

CHURCHILL DOWNS

Trackman, Graham Ross

Analyst

Hermis

Sweep

Consensus

1

WESTWOOD LAKE

PRUNER'S GAL

RED'S ABBEY

MODICUM

FERN CREEK

SHE'S ECSTATIC

MODICUM

SHE'S ECSTATIC

HAMBURG PLACE

PRUNER'S GAL

WESTWOOD LAKE

MODICUM

MODICUM

PRUNER'S GAL

WESTWOOD LAKE

Selections Made for Fast Track

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

1st Churchill

4 1/2 FURLONGS. (51%) MAIDEN. SPECIAL WEIGHT. Purse \$8,000 (plus \$2,000 from KTDF). Fillies 2-year-olds. Weight, 118 lbs.

Hamburg Place

Own.—Davis P E

Ch. f. 2, by Whitesburg—Bosun Queen, by Bosun

Br.—Davis P E (Ky)

Tr.—Davis Mike

Lifetime 0 0 0 0

Red's Abbey

Own.—Johnson D

B. f. 2, by Red Ryder—Satin Abbey, by Battling Abbey

Br.—McWool-Johnson (IN)

Tr.—Romanus Jerry

Lifetime 0 0 0 0

Spiegler

Own.—Flint B S Inc

B. f. 2, by Clem Pac—Decorative, by Semitive

Br.—Dobson S K (Ky)

Tr.—Flint Bernard S

Lifetime 0 0 0 0

Pruner's Gal

Own.—Mahan Sara M

B. f. 2, by The Pruner—Gal Sal, by Blasting Signal

Br.—Mahan Sara M (Ky)

Tr.—Wisner Glenn

Lifetime 1 0 0 0

*Modicum

Own.—West B

Ch. f. 2, by General Assembly—Sandstream, by Sandford

Br.—Coggan J R S (GB)

Tr.—McGaughy C R III

Lifetime 1 0 1 0

Sintra

Own.—Cherry Valley Farm

Re. f. 2, by Drone—Misty Plum, by Misty Day

Br.—Little-Cherry Valley Fm Inc (Ky)

Tr.—Pearce Steven

Lifetime 0 0 0 0

Fern Creek

Own.—Crimson King Farm

B. f. 2, by Crimson Falcon—Crimson Belle, by War Relic

Br.—Crimson King Farm (Ky)

Tr.—Salmen Peter W Jr

Lifetime 0 0 0 0

Westwood Lake

Own.—West & Woodford

Ch. f. 2, by Restivo—Placid Lake, by Terrang

Br.—Roushara Farm (Fla)

Tr.—Scott William I

Lifetime 0 0 0 0

She's Ecstatic

Own.—Gentry T

B. f. 2, by Sauce Boat—She's Armed, by Truxton King

Br.—Gentry T (Ky)

Tr.—Isola Eduardo

Lifetime 2 0 0 1

Tricky Sea

Own.—Buckland Farm

Ch. f. 2, by Sea Songster—Famous Trick, by Illustrious

Br.—Evans T III (Va)

Tr.—Pearce Ross R

Lifetime 0 0 0 0

FINAL ODDS

FINISH

12

30

--

15

60

--

6

10

--

20

10

--

9-5

8-5

1

6

9

--

6

4

3

4

8

--

5

3

2

12

40

--

PAUL E. DAVIS

MIKE DAVIS

Red, Red "D" on White Diamond Belt, White Diamonds on Sleeves, Red Cap

White Diamonds

HAMBURG PLACE

118

CORBY NIELSEN

DONALD JOHNSON

JERRY ROMANS

Red, White Cross Sashes

Red Cap

RED'S ABBEY

118

BRENT BARTRAM

BERNARD S. FLINT, INC

BERNARD S. FLINT

Gold, Blue and Gold Stars on White Sleeves, White Cap

White Cap

SPIEGLER

*113

SCOTT MILLER

SARA M. MAHAN

GLENN WISMER

Orange, Black Sash

Black Cap

PRUNER'S GAL

118

CHARLES WOODS, JR.

BOB WEST

C R MCGAHEY III

Orange, Black Sash

Black Cap

MODICUM (GB)

118

PAT DAY

CHERRY VALLEY FARM

STEVEN PENROD

Red, Gold Hoops, Red Bars on Gold Sleeves, Red Cap

Red Cap

SINTRA

118

MARK SELLERS

CRIMSON KING FARM

PETER W. SALMEN, JR.

Crimson, White "CK," White Sleeves, White Cap

White Cap

FERN CREEK

118

WILLIAM GAVIDIA

MURRAY WEST

WILLIAM T. MOTT

Red, Green Sash, Green Sleeves, Red Cap

Red Cap

WESTWOOD LAKE

118

LEROY MOYERS

TOM GENTRY

EDUARDO INDA

Yellow, Royal Blue Blocks, Royal Blue Bars on Sleeves

Yellow Cap

SHE'S ECSTATIC

118

EDDIE DELANOUSSAYE

BUCKLAND FARM (Thomas M. Evans)

ROSS R. PEARCE

Dark Blue, White Triangle, Blue Band on White Sleeves

Blue and White Cap

TRICKY SEA

*113

KEITH ALLEN

Selections 5-8-9-8

In doing so he set a track record of $51\frac{2}{5}$ seconds for the $4\frac{1}{2}$ -furlong distance, a full $\frac{2}{5}$ second, or about two lengths, off the previous best. She's Ecstatic, number 9, was second at 3—1 odds, down from 5—1 in the morning line. Number 7, Fern Creek, going off at 4—1, down from 6—1, took third.* The tendency for the final odds for horses finishing in the money to fall from those in the morning line and to rise for those finishing out of the money is borne out in this race.

The Need to Look for Special Situations to Avoid Betting on All Races and on Inappropriate Days

The evidence presented in this chapter indicates that the crowd does very well at predicting the actual probability of winning. Late bettors seem to do better than the average, which confirms the notion that their bets really are "smart money." We know from Figure 1.1 and the accompanying discussion that the average bettor is losing about 19% of the money he or she wagers. Just to break even, you must bet on horses that win about 23.5% more often than average. The values in Table 3.8 seem hardly good enough for even these late bettors to win, on average.

We also know that even if you devise a system that will, on average, make a profit, you may still lose by bad luck. A system that, say, wins two out of every five races may still have ten or more straight losses that might bankrupt you. Indeed, in any winning system, you need to add a measure of safety just to overcome this possibility.† We will do this by confining our Dr. Z System bets to those that make back the 19% and indicate a profit of another 14%–18% or more. This should be enough to account for possible bad luck.

The favorite–long-shot bias also indicates that profits are likely to be made betting on the very best horses in top races. Since these horses are traditionally underbet, they are good possibilities to consider. Tables 3.6 and 3.7 indicate, however, that it is unlikely that betting to win will be profitable. But betting to place or show often is. Indeed, many of our best Dr. Z system bets will be on extreme favorites.

*Fern Creek was actually a Dr. Z system bet; see the discussion at the end of the section on "The Kentucky Oaks" in Chapter Six.

†An excellent analysis of this bad-luck phenomenon in the context of trying to devise a winning strategy for the Massachusetts Numbers Game appears in Chernoff (November 1980).

In the next two chapters we develop the Dr. Z system. We advise you when a place or show bet is really good enough to bet and how much you should bet on it. You will not have a good bet in every race. To win you must also be careful to select only bets that really appear promising and wager appropriate amounts. Betting on days when the track conditions are not ideal, such as in the mud or on horses that are not in peak form because they have not run recently, adds to the risk. Poor odds, nonideal conditions, and the like rule out many races as profitable betting opportunities. Still, there are usually two to four outstanding Dr. Z system bets per day at a typical track. On average, they will make about 10%–20% profit. We will concentrate on these.

Finding Profitable Place and Show Bets



Understanding the Win, Place, and Show Payoffs

The payoffs to win, as described in Chapter Two, are easy to determine. Consider the 1980 Kentucky Derby, which was run as the ninth race on May 3, 1980, at Churchill Downs in Louisville, Kentucky. The favorite, Rockhill Native, went off at 2.10—1. If he had won, the payoff would have been a \$2.10 profit for each dollar bet, for a \$3.10 total return. Since payoffs are generally based on \$2 bets, the payoff as listed on the tote board would have read \$6.20. The second favorite, Rumbo, at 4—1 thus would have paid $2(4 + 1)$, or \$10. The winner was the filly, Genuine Risk, who went off at 13.30—1 and paid $2(13.30 + 1) = \$28.60$. Five weeks later at the Belmont Stakes these three horses met again.

There are many factors that determine the betting patterns leading to the final odds, but recent performance is one of the most important. Rockhill Native's poor Derby performance moved his odds from 2.10—1 to 12.80—1, a sixfold increase. He would have paid $2(12.80 + 1)$, or \$27.60. Rumbo's strong second-place finish lowered his odds from 4—1 to 1.90—1. Genuine Risk's win moved her odds from 13.30—1 to 5.10—1, so she should have paid $2(5.10 + 1) = \$12.20$. The invader, Codex, was the favorite at 1.60—1 and finished seventh. Remember that our discussion in Chapter Three indicates that, on average, these odds give a very good estimate of each horse's true chances of winning.

However, long shots often win races in the mud, making these races the most unpredictable. This race was no exception. The 53.40—1 shot, Tem-

106th Kentucky Derby, May 3, 1980

\$339,300 gross value and \$45,000 Gold Cup. Net to winner \$250,550; second \$50,000; third \$25,000; fourth \$13,750. 293 nominations.

Horse	Eqt	Wt	PP	¼	½	¾	Mile	Str	Fin	Jockeys	Owners	Odds to \$1
Genuine Risk . . .	121	10		7 ¹ hf	7 ³	4 ^h	1 ¹ hf	1 ²	1 ¹	J. Vasquez	Mrs. B. R. Firestone	13.30
Rumbo	126	9		13	12 ¹ hf	11 ³	5 ^h f	3 ³	2 ¹	L. Pincay Jr.	Gayno Stable and Bell	4.00
Jaklin Klugman .	126	2		8 ^h f	8 ^h	8 ^h f	4 ² hf	2 ¹ hf	3 ⁴	D. McHargue	Klugman-Dominguez	7.10
Super Moment . .	126	3		10 ¹ hf	9 ¹ hf	9 ¹ hf	9 ³	5 ^h f	4 ^{no}	D. Pierce	Elmendorf	8.60
Rockhill Native . .	126	6		2 ^h	1 ¹ hf	2 ^h	2 ^h f	4 ¹ hf	5 ^{nk}	J. Oldham	Harry A. Oak	2.10
Bold 'n Rulling .b	126	1		6 ¹ hf	2 ^h	1 ^h	6 ¹ hf	7 ³	6 ²	P. Valenzuela	Hughes Brothers	68.70
Plugged Nickle . .	126	11		1 ^h	3 ¹ hf	3 ¹ hf	3 ¹ hf	6 ^h	7 ^{3 1} / ₄	B. Thornburg	John M. Schiff	2.60
Degenerate Jon .b	126	4		9 ² hf	6 ^h	5 ^h	8 ³	8 ¹ hf	8 ^{1 1} / ₄	R. Hernandez	Barry K. Schwartz	61.70
Withholding	126	12		4 ^h f	10 ¹	10 ¹	11 ²	9 ²	9 ²	M. Morgan	Russell Michael Jr.	64.10
Tonka Wakhan .b	126	5		12 ^h	13	12 ^h f	12 ³	10 ²	10 ^{2 1} / ₄	M. Holland	Glenn Bromagen	f-58.90
Execution's Reason	126	13		3 ¹ hf	5 ^h f	7 ² hf	10 ¹	11 ³	11 ³	R. Romero	Howard B. Noonan	111.80
Gold Stage	126	7		5 ^h	4 ^h f	6 ^h	7 ^h f	12 ¹ hf	12 ^{no}	A. Cordero	Mrs. Philip B. Hofman	41.50
Hazard Duke . . .b	126	8		11 ³	11 ^h f	13	13	13	13	D. Brumfield	Andrew Adams	f-58.90

Time: :24, :48, 1:12-4/5, 1:37-3/5, 2:02. Track fast. Off at 5:39 EDT. Start good. Won driving.

f-Mutuel field

\$2 Mutuels paid — Genuine Risk \$28.60 straight, \$10.60 place, \$4.80 show; Rumbo \$5.20 place, \$3.40 show; Jaklin Klugman \$4.40 show.

Winner—Ch.f. by Exclusive Native—Virtuous, by *Gallant Man; trainer LeRoy Jolley; bred in Kentucky by Mrs. G. Watts Humphrey, Jr.

GENUINE RISK settled nicely as the field came away in good order and was reserved behind PLUGGED NICKLE and inside WITHHOLDING around the first turn and early backstretch. She was eased back slightly and moved to the outside smoothly approaching the half-mile pole, gradually raced to the leaders outside four rivals, and took command entering the stretch; was hit once with the whip right-handed, increased her advantage under six well spaced strokes as Vasquez switched to the left, and continued resolutely to the end. RUMBO dropped back last soon after the start and was kept outside rivals, gradually improving position, swerved under right-handed urging after racing wide into the stretch, and gained steadily under heavy left-hand urging in the final furlong. JAKLIN KLUGMAN saved ground behind the first flight, worked between rivals around the final turn, and moved boldly in pursuit of the winner settling into the homestretch, but could not sustain his bid. SUPER MOMENT stayed close to the rail and closed well from the head of the stretch to outfinish the others. ROCKHILL NATIVE had no difficulty taking a clear lead from between rivals entering the backstretch, but swerved out and was lightly checked for a stride approaching the six-furlong pole, stayed with the pace to the top of the homestretch, and then weakened. BOLD 'N RULLING raced with the pace along the rail for six furlongs, gave way approaching the stretch and drifted out, then held on fairly well in the straightaway, but pulled up lame. PLUGGED NICKLE rated near the lead outside ROCKHILL NATIVE and BOLD 'N RULLING, bore out slightly on the final turn, then raced true while tiring in the homestretch run. DEGENERATE JON was a factor for six furlongs and tired. WITHHOLDING was very wide outside the first flight and tired. TONKA WAKHAN was outrun. EXECUTION'S REASON was used up early. GOLD STAGE also tired early. HAZARD DUKE was not a factor.

THE WINNER'S PEDIGREE AND CAREER HIGHLIGHTS

GENUINE RISK (Chestnut Filly)	{	Exclusive Native	Raise a Native	{	Native Dancer
			Exclusive		Raise You
	{	Virtuous	*Gallant Man		Shut Out
			Due Respect II		Good Example
					*Migoli
					*Majideh
					Zucchero
					Auld Alliance

Year	Age	Sts	1st	2nd	3rd	Won
1979	2	4	4	0	0	\$100,245
1980	3	8	4	3	1	503,742
1981	4	3	2	0	1	\$ 42,600
TOTALS		15	10	3	2	\$646,587

At 2 Years	{	WON	Tempted, Demoiselle
At 3 Years	{	WON	Kentucky Derby, Ruffian
		2ND	Preakness, Belmont Stakes, Maskette
		3RD	Wood
At 4 Years	{	WON	2 Allowances
		3RD	1 Allowance (No Stakes)

perence Hill, was the winner. He paid a whopping \$108.80, an amazing payoff in retrospect. Temperencé Hill went on to become the eighth-leading thoroughbred money-winner of all time, winning eleven of thirty-one races and \$1,567,650.

In each case we know before the race exactly how much each horse will pay to win. It is simply the odds plus one, times two. The situation is quite different for the place and show bets. With these bets you do not know before the race how much the place and show payoffs will be because they

Belmont Stakes

EIGHTH RACE
Belmont
JUNE 7, 1980

1 1/2 MILES. (2.24) 112th Running THE BELMONT (Grade I). \$200,000 Added. 3-year-olds. By subscription of \$100 each to accompany the nomination; \$1,000 to pass the entry box; \$2,000 to start. A supplementary nomination of \$5,000 may be made on Wednesday, June 4 with an additional \$15,000 to start, with \$200,000 added of which 60% to the winner, 22% to second, 12% to third and 6% to fourth. Colts and geldings 126 lbs.; Fillies 121 lbs.

Starters to be named at the closing time of entries. The winning owner will be presented with the August Belmont Memorial Cup to be retained for one year, as well as a trophy for permanent possession and trophies will be presented to the winning trainer and jockey and mementoes to the grooms of the first four finishers. Closed Friday, February 15, 1980 with 247 nominations. Supplementary nominees: Pikotazo, Temperence Hill and Ben Fab. Value of race \$293,700, value to winner \$176,220, second \$64,614, third \$35,244, fourth \$17,622. Mutuel pool \$1,603,057, OTB pool \$2,166,811.

Last Raced	Horse	Eqt.	A.	Wt	PP	1/4	1/2	1	1 1/4	Str	Fin	Jockey	Odds \$1
31May80 7Bel ³	(S)Temperence Hill	b	3	126	3	7 ^{hd}	8 1/2	4 1/2	35	2 1/2	12	Maple E	53.40
17May80 9Pim ²	Genuine Risk		3	121	1	5 1/2	5 1/2	3 1/2	2 ^{hd}	1 ^{hd}	2 1/2	Vasquez J	5.10
3May80 8CD ⁵	Rockhill Native		3	126	7	6 1/2	2 1/2	1 ^{hd}	1 1/2	35	32	Oldham J	12.80
25May80 8Bel ¹	Comptroller		3	126	5	1 1/2	1 ^{hd}	54	63	5 1/2	4 ^{hd}	Encinas R I	26.20
24May80 8Hol ¹	Rumbo		3	126	8	9 ^{hd}	9 1/2	62	51	4 1/2	52 1/2	Shoemaker W	1.90
3May80 8CD ⁴	Super Moment		3	126	9	10	10	91	72	76	6 1/2	Pincay L Jr	13.40
17May80 9Pim ¹	Codex		3	126	2	3 1/2	41	2 1/2	4 1/2	63	79	Cordero A Jr	1.60
26May80 9Bel ⁶	Joanie's Chief		3	126	10	8 1/2	7 1/2	8 1/2	88	814	812	Santiago A	101.00
17May80 9Pim ⁵	Bing		3	126	4	4 ^{hd}	61	10	10	10	9 ^{no}	Cruguet J	119.60
1Jun80 10Mex ¹	(S)Pikotazo		3	126	6	21	3 1/2	7 ^{hd}	93	9 1/2	10	Hernandez R	8.50

(S) Supplementary nomination.

OFF AT 5:39, EDT. Start good, Won driving. Time, :24 3/5, :50 1/5, 1:15 1/5, 1:39 3/5, 2:04, 2:29 4/5, Track muddy.

\$2 Mutuel Prices:	3-(C)-TEMPERENCE HILL	108.80	32.80	15.20
	1-(A)-GENUINE RISK		7.80	5.20
	7-(G)-ROCKHILL NATIVE			10.40

B. c, by Stop The Music—Sister Shannon, by Etonian. Trainer Cantey Joseph B. Bred by Polk A F Jr (Ky).

TEMPERENCE HILL, unhurried early, moved up outside horses approaching the end of the backstretch, continued his rally into the stretch, caught the leaders with a furlong remaining and proved clearly best under brisk urging. GENUINE RISK, well in hand while saving ground around the first turn, split horses while moving approaching the far turn, gained a brief lead near midstretch but wasn't able to stay with the winner. ROCKHILL NATIVE moved to the leaders from the outside around the first turn, showed speed into the stretch while saving ground and weakened under pressure. COMPTROLLER dueled for the lead into the backstretch, remained prominent to far turn, dropped back while bearing out and lacked a late response. RUMBO, unhurried early, commenced to rally approaching the end of the backstretch, saved ground into the stretch but lacked a further response. SUPER MOMENT was always outrun. CODEX, close up early, made a bid between horses racing into the far turn but was finished after going nine furlongs. JOANIE'S CHIEF failed to be a serious factor. BING gave way soon after going a half. PIKOTAZO stopped badly after racing forwardly into the backstretch. TEMPERENCE HILL raced with mud caulks.

Owners— 1, Loblolly Stable; 2, Firestone Mrs B R; 3, Oak H A; 4, Phipps O; 5, Gayno Stable & Bell Bloodstock Co; 6, Elmendorf; 7, Tartan Stable; 8, Barberino P; 9, Neff B V; 10, Carranza G Z.

Trainers— 1, Cantey Joseph B; 2, Jolley Leroy; 3, Stevens Herbert K; 4, Penna Angel; 5, Bell Thomas R Jr; 6, McAnally Ronald; 7, Lukas D Wayne; 8, Jacobs Eugene; 9, Speck Gordon; 10, Hernandez Claudino.

depend upon which horses finish in the money. You win your place bet if the horse finishes first or second; it does not matter if the horse is first or second. What matters is the relative amounts bet to place on the various horses, in particular on the two horses finishing one-two and on the total pool. You win your show bet if the horse you bet on is first, second, or third. The payoff depends upon how much is bet on the three horses finishing in the money in relation to the total pool.

In the 1980 Kentucky Derby, Genuine Risk and Rumbo placed, and \$2 bets on each of them paid \$10.60 and \$5.20, respectively. For show they paid \$4.80 and \$3.40. The payoff for the third finisher, Jaklin Klugman, was \$4.40. In the 1980 Belmont Stakes, Temperence Hill and Genuine Risk paid \$32.80 and \$7.80, respectively, to place. For show they paid \$15.20 and \$5.20, and Rockhill Native paid \$10.40. Notice that the place payoffs are quite a bit less than the win payoffs would have been, and the show payoffs are lower yet. This is reasonable, since two horses receive place payoffs and three receive show payoffs, while only one horse wins. These are typical payoffs for horses going off at reasonably long odds.

Let's now look at the situation when the top favorites finish in the money.

In the 1980 Kentucky Oaks, the Kentucky Derby for fillies, the 3—5 favorite, Bold 'n Determined, won and paid \$2.40 to place and \$2.20 to show. With a large amount bet on Bold n' Determined to place and show, the payoffs on Mitey Lively were \$4 and \$3, and \$3.80 on Honest and True.

In the 1980 Kentucky Oaks, the 27—1 shot, Honest and True, had a show payoff of \$3.80, which was less than Genuine Risk's \$4.80 at 13.3—1 and Jaklin Klugman's \$4.40 at 7.1—1. This payoff was also smaller than Genuine Risk's \$5.20 at 5.1—1 and Rockhill Native's \$10.40 at 12.8—1 in the 1980 Belmont Stakes. The payoffs depend upon the amounts bet on the various horses in the place and show pools, not on the win odds.

EIGHTH RACE

Churchill

MAY 2, 1980

1 ¹/₁₆ MILES. (1.41³/₁₆) 106th Running KENTUCKY OAKS STAKES (Grade I). Purse \$100,000 added, Plus \$10,000 KTDF. 3-year-old fillies. By subscription of \$100 which covers nomination for both the Kentucky Oaks and the La Troienne. All nomination fees to Kentucky Oaks. \$200 to pass entry box, \$500 additional to start, \$100,000 added, of which with subscription fees and all starting fees to be divided 65% to the winner, 20% to second, 10% to third and 5% to fourth. Weight, 121 lbs. Starters to be named through the entry box Wednesday, April 30, at usual time of closing. If race is divided entries of couplings will be divided. The owner of the winner to receive a silver trophy.

Value of race \$129,100, value to winner \$83,915, second \$25,820, third \$12,910, fourth \$6,455. Mutuel pool \$783,880.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
5Apr80 9OP1	Bold 'N Determined	3	121	2	2	11	1 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂	11 ¹ / ₂	11 ¹ / ₂	Delahoussaye E	.60
13Apr80 8Aqu1	Mitey Lively	3	121	3	4	33 ¹ / ₂	2 ¹ / ₂	21 ¹ / ₂	22 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	Velasquez J	6.70
5Apr80 9OP3	Honest And True	b	3	121	4	1	5 ¹ / ₂	5 ¹ / ₂	5 ¹ / ₂	32	33	Guajardo A	27.00
26Apr80 8CD1	Ribbon	b	3	121	5	7	7 ¹ / ₂	7 ² / ₂	72 ¹ / ₂	4 ¹ / ₂	43	Ardoir R	14.00
19Apr80 7Kee3	Lady Taurian Peace	3	121	7	6	62 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	53	53 ¹ / ₂	Day P	64.10	
19Apr80 8Kee1	Sugar And Spice	3	121	6	5	4 ¹ / ₂	6 ¹ / ₂	6 ¹ / ₂	62	62	Fell J	2.50	
19Apr80 7Kee6	Sweet Audrey	3	121	8	8	8	8	8	7 ¹ / ₂	7 ⁶ / ₂	Espinoza J C	83.50	
19Apr80 8Kee2	Nice And Sharp	3	121	1	3	2 ¹ / ₂	31 ¹ / ₂	3 ¹ / ₂	8	8	DePass R	62.20	

OFF AT 5:30 EDT. Start good, Won driving. Time, :24²/₅, :48³/₅, 1:13³/₅, 1:38¹/₅, 1:44⁴/₅ Track fast.

\$2 Mutuel Prices:

2-BOLD 'N DETERMINED 3.20 2.40 2.20

3-MITEY LIVELY 4.00 3.00

4-HONEST AND TRUE 3.80

B. f, by Bold And Brave—Pidi, by Determine. Trainer Drysdale Neil. Bred by Layton G E (Ky).

The first race at Woodbine on June 5, 1980, is a typical payoff, with the top two favorites in the money. Notice that Jah Man has higher win odds than Aftermath, 2.10—1 versus 1.50—1, yet his show payoff is less, \$2.30 versus \$2.40.

1st Race Woodbine Jun. 5, 1980

6 FURLONGS. (1.08³/₁₆) 3 & 4-Year-Olds, Bred in Can. Maidens Claiming (\$16,000). Purse \$5,200. —Canada-bred — Value of race \$5,200, value to winner \$3,120, second \$1,040, third \$572, fourth \$312, fifth \$156. Mutuel pool \$45,501.

Last Raced	Horse	Wt.	PP.	1/2	Str	Fin	Odds \$1
25May80 10WO5	Aftermath	114	6	1 ¹ / ₂	1 ³ / ₂	12 ¹ / ₂	1.50
23May80 4WO5	Social Expression	117	2	2 ² / ₂	22 ¹ / ₂	23 ¹ / ₂	7.80
28May80 9WO2	Jah Man	114	5	6 ¹ / ₂	4 ¹ / ₂	3 ^{no} / ₂	2.10
25May80 10WO9	Kamarian	115	8	42 ¹ / ₂	3 ² / ₂	4 ² / ₂	9.95
7May80 8WO9	Irish Tahoka	115	7	5 ¹ / ₂	5 ³ / ₂	5 ⁴ / ₂	11.40
28May80 9WO4	Peterkinooks	114	3	7 ³ / ₂	6 ¹ / ₂	65 ¹ / ₂	16.00
14May80 8WO11	Truganini	114	4	3 ¹ / ₂	7 ⁶ / ₂	72 ¹ / ₂	21.80
25Jly79 3WO4	Lord Treego	114	9	8 ³ / ₂	82 ¹ / ₂	8 ³ / ₂	9.85
21May80 1WO9	Skip's Girl	105	1	9	9	9	100.90

Time, :23¹/₅, :46²/₅, 1:12¹/₅ Track fast. OFF AT 1:31, EDT.

6-AFTERMATH 5.00 3.10 2.40

3-SOCIAL EXPRESSION 5.80 3.00

5-JAH MAN 2.30

In the fifth race at Pimlico on May 19, 1980, the two top favorites finished second and third. There was, however, a dead heat for third between Mexican Red and Series Six. Since the payoff for show had to be split among

5th Race Pimlico May 19, 1980

1 $\frac{1}{8}$ MILES. (1.41) 3-Year-Olds. Allowance. Purse \$10,500. — which have never won two races other than maiden or claiming. — Value of race \$10,500, value to winner \$6,300, second \$2,310, thirds \$945 each. Mutuel pool \$52,014. Exacta Pool \$67,605.

Last Raced	Horse	Wt.	PP.	$\frac{1}{2}$	Str	Fin	Odds \$1
7Apr80 ⁶ Pim ⁶	Ashanti Gold	112	1	3 ¹	1 ²	1 ⁴	3.90
10May80 ⁷ Pim ¹	Royal Saim	112	2	6	5 ³	2 ^{nk}	2.30
25Apr80 ⁷ Pim ³	Series Six	113	3	1 ¹	2 ⁴	3	DH -2.50
25Apr80 ⁷ Pim ⁵	Mexican Red	115	4	5 ⁸	3 ²	3 ⁷	DH -6.70
19Apr80 ⁶ Pim ¹	Lambie Boy	117	5	4 ⁴	4 ¹	5 ³	9.20
9May80 ⁶ Pim ⁶	Guns O' Va	112	6	2 ⁶	6	6	4.80

DH—Dead heat.

Time, :23 $\frac{3}{4}$, :46 $\frac{1}{4}$, 1:12, 1:38 $\frac{1}{4}$, 1:45 Track good. OFF AT 2:52 EDT.

1-ASHANTI GOLD	9.80	4.80	2.20
2-ROYAL SAIM		3.40	2.10
3- DH SERIES SIX			2.10
4- DH MEXICAN RED			2.10

\$2 EXACTA 1-2 PAID \$31.20.

four horses rather than three, the returns were minimal. Ashanti Gold paid only \$2.20 to show, yet he paid \$4.80 to place. The other horses returned only \$2.10, the minimum payoff.

The eighth race at Greenwood on April 21, 1979, featured a nine-horse field. However, three of the horses—Overskate, Sound Reason, and Royal Sparkle—were coupled to form an entry. These horses were all owned by Stafford Farm and were required to run together. Notice that the post

8th Race Greenwood Apr. 21, 1979						
7 FURLONGS. (1.23) JACQUES CARTER. 4-Year-Olds and Up, Bred in Can. . Purse \$20,000 Added. Value of race \$23,025, value to winner \$13,025, second \$5,000, third \$3,000, fourth \$2,000. Mutuel pool \$163,964, Minus show pool \$90.67.						
Last Raced	Horse	Wt.	PP.	$\frac{1}{2}$	Str Fin	Odds \$1
4Nov78 ⁶ Lrl ⁷	Overskate	126	4	1 ¹ $\frac{1}{2}$	1 ¹ $\frac{1}{2}$ 1 ³	a-.35
7Apr79 ⁷ Grd ³	Maple Grove	120	3	4 $\frac{1}{2}$	2 ¹ $\frac{1}{2}$ 2 ^{hd}	3.05
14Oct78 ⁷ WO ⁷	Sound Reason	126	6	7 ⁶	3 ⁴ 3 ⁷	a-.35
7Apr79 ⁷ Grd ⁸	Royal Sparkle	115	1	5 ^{hd}	4 ² 4 ² $\frac{1}{2}$	a-.35
25Nov78 ⁸ Grd ³	Knight's Turn	123	5	8 $\frac{1}{2}$	6 ² 5 ¹ $\frac{1}{2}$	23.00
10Apr79 ⁷ Grd ²	Dancing Relation	120	7	9	7 ⁴ 6 $\frac{1}{2}$	13.20
5Apr79 ⁷ Grd ⁴	Forzando	116	8	2 ^{hd}	5 ¹ 7 ⁶	53.40
10Apr79 ⁶ Grd ³	Crafty Money	114	2	3 $\frac{1}{2}$	8 ² $\frac{1}{2}$ 8 ¹ $\frac{1}{2}$	22.15
13Apr79 ⁷ Grd ¹	Springtide	114	9	6 ^{hd}	9 9	15.50
a-Coupled: Overskate, Sound Reason and Royal Sparkle.						
Time, :23 $\frac{3}{4}$, :47 $\frac{3}{4}$, 1:12 $\frac{3}{4}$, 1:25 $\frac{3}{4}$ Track fast. OFF AT 5:09 EST.						
1-OVERSKATE (a-entry)		2.70		2.10	2.10	
3-MAPLE GROVE				2.40	2.40	
1-SOUND REASON (a-entry)		2.70		2.10	2.10	

positions did not correspond to the numbers of the horses. This is the usual practice with a race containing an entry. It is common practice to couple horses running for the same owner or trainer to prevent possible irregu-

The payoffs for place and show can vary greatly even on successive races at the same racetrack. Compare the fourth and sixth races at Hialeah Park on April 2, 1979. Notice that Divine Davos at 1.70—1 paid more to place and show than Remnant Wave at 2.30—1. Similarly, Kickapoo Creek at 4.60—1 paid more to show than Princess Naskra at 3.10—1.

\$2 PERFECTA 6-5 PAID \$64.20. \$2 TRIFECTA 6-5-10 PAID \$184.60.

\$2 PERFECTA 2-9 PAID \$30.80. \$2 TRIFECTA 2-9-10 PAID \$147.00.

Why Place and Show Betting Can Yield Positive Profits

How can we take advantage of these discrepancies? No such discrepancies occur for win bets, since the win odds are essentially efficient, but they do occur in the place and show pools. A discrepancy or inefficiency occurs when a much lower proportion of the place or show pool is bet on a particular horse than this horse's proportion of the win pool. The Dr. Z system is a method to exploit these inefficiencies in a precise manner. We develop the basic ideas in this and the succeeding chapter. Our focus now is first to get a feel for when these inefficiencies occur so that they can be easily recognized. As an example, suppose the tote board is as follows:

	Horse							
	#1	#2	#3	#4	#5	#6	#7	Totals
Odds	4—5	14—1	6—1	5—2	16—1	11—1	33—1	
Win	8,293	1,009	2,116	4,212	885	1,251	457	18,223
Place	2,560	660	1,386	2,610	696	903	399	9,214
Show	1,570	495	1,860	1,881	543	712	287	6,558

The place pool is about half the win pool, 9,214/18,223, so *you need to find a horse where relatively much less than half is bet to place*. Less than a third, 2,560/8,293, is bet on horse 1 to place, while for all the other horses, there is more than half as much bet to place as to win. The show pool is about a third the win pool, 6,558/18,223, so you would like to find a horse where relatively much less is bet to show. For horses 2 to 7, the ratio between show bet and win bet is more than a third. For example, horse 2 has

$$\frac{\text{Show bet}}{\text{Win bet}} = \frac{495}{1,009} = 0.491.$$

Disregard bets like these. However, horse 1 looks promising. It has

$$\frac{\text{Show bet}}{\text{Win bet}} = \frac{1,570}{8,293} = 0.185,$$

which is much less than $\frac{1}{3} = 0.333$.

Thus, horse 1 may well be a good bet to place and/or to show. Three key questions must now be answered: (1) How good is the bet? (2) Is the bet really good enough? (3) How much should you bet? We answer question

(1) later in this chapter and questions (2) and (3) in Chapter Five.

Let us first look at how the place and show mutuel payoffs are determined. Let Q be the track payoff. This is usually about 83%. If P_i is the amount bet on horse i to place, and $P = \sum_{i=1}^n P_i$, where P is the place pool and n the number of possible horses, then the payoff per dollar bet on horse i to place is

$$\begin{cases} 1 + \frac{PQ - P_i - P_j}{2P_i} & \text{if } \begin{cases} i \text{ is first and } j \text{ is second or} \\ j \text{ is first and } i \text{ is second} \end{cases} \\ 0 & \text{if } i \text{ is not first or second.} \end{cases} \quad (4.1)$$

Thus if horses i and j are first and second, each bettor on i (and also j) to place first receives the amount of his or her bet. The remaining amount in the place pool, after the track take, is then split evenly among the place bettors on i and j . The payoff to horse i to place is independent of whether i finishes first or second, but it is dependent on which horse finished with it. A bettor on horse i to place hopes that a long shot, not a favorite, will finish with it.

Let S_i be the amount bet on horse i to show and $S = \sum_{i=1}^n S_i$ be the total show pool. The payoff per dollar bet on show is then

$$\begin{cases} 1 + \frac{SQ - S_i - S_j - S_k}{3S_i} & \text{if } \begin{cases} i \text{ is first, second, or third} \\ \text{and finishes with } j \text{ and } k \end{cases} \\ 0 & \text{if } i \text{ is not first, second, or third.} \end{cases} \quad (4.2)$$

To understand equations (4.1) and (4.2), let's suppose horse 1 is in the money with horse 2 for a place bet. The payoff per dollar bet to place on horse 1 is

$$1 + \frac{9,214(0.83) - 2,560 - 660}{2(2,560)} = \$1.86.$$

If horse 4 finishes with horse 1, then 1's payoff for place per dollar bet is

$$1 + \frac{9,214(0.83) - 2,560 - 2,610}{2(2,560)} = \$1.48.$$

For show, suppose horse 1 finishes in the money with the long shots 2 and 7. Then the payoff for show per dollar bet on horse 1 is

$$1 + \frac{6,558(0.83) - 1,570 - 495 - 287}{3(1,570)} = \$1.66.$$

If 1 finishes in the money with the other favorites, 3 and 4, then the show payoff drops to

$$1 + \frac{6,558(0.83) - 1,570 - 1,860 - 1,881}{3(1,570)} = \$1.03.$$

At an actual racetrack, the values would be adjusted for breakage, \$2 bets, and \$2.10 minimum payout. With 5¢ on the dollar, \$1.86 becomes \$3.70, \$1.48 becomes \$2.90, \$1.66 becomes \$3.30, and \$1.03 becomes \$2.10. So the payoffs are much larger when relative long shots rather than favorites finish in the money. Notice that as less is bet to place or show on horse 1, the payoff is improved in two ways. For example, with place there is less taken off than \$2,560 and likewise less than \$2,560 is divided. With proportionally less bet to place or show, the payoff becomes much larger.

Let us now look at some more actual race results to determine the type of situations for which you are looking, so that you can learn to recognize them easily. An extreme case occurs when the place payoff actually exceeds the win payoff, as with Chocolate Lover in the ninth race at Hollywood Park on December 11, 1982. This makes for an outstanding bet.

6207—NINTH RACE. Mile and one-sixteenth. 3-year-olds & p. Top claiming price \$20,000. Purse \$10,000.

6189	Chocolate Lover, Sibille	121	12	4	51	2 nd	1½	12	13½	1.10
6144	Hanalei Prince, Steiner	x111	1	2	42	53½	34	32	2 nd	12.00
6135	Royal Earl, Ortega	121	9	10	10½	96	5½	43	31½	5.10
—	Apache Scout, Guzman	116	5	12	12	12	8 th	54	41½	8.30
—	Dancing Casanova, Vinzla	116	11	3	31	11	21½	21	53	19.00
6055	Game Of Spies, Bombek	114	7	6	82	8 th	4 th	6½	62½	116.80
6144	Mity Busy, Pedroza	114	10	8	115	11½	92½	7 th	7 th	18.10
—	Count By Five, Lipharn	114	8	11	9 th	10 th	111	8 th	81	43.00
6153	Bold Taste, Cruz	116	6	7	73	61	73	92	93½	111.70
6153	California Fig, Dlhssye	116	2	0	6 th	72	6 th	108	107	7.60
6046	Mel's Victory, McHargue	115	3	5	1 st	3 rd	102	113	113	33.30
6101	Amazing Career, Frazier	121	4	1	21	4 th	12	12	12	11.60

Scratched—K's Vindicator, Bidadoon, China Blast.

CHOCOLATE LOVER **4.20 4.40 3.00**

HANALEI PRINCE **8.40 5.20**

ROYAL EARL **3.40**

Time—:23, .46 3/5, 1:11 1/5, 1:37 2/5, 1:44 1/5. Winner—b.g.4 Illustrious—Khal Me Fancy. Trained by s. Morguelan. Mutuel pool \$107,821. Exacta Pool \$259,487. Attendance—13,801. Total handle \$3,175,962.

Claimed—Apache Scout by S. Rahe, trainer G. Lewis, for \$10,000. Royal Earl by Lewis Potter, trainer G. Lewis, for \$10,000. Chocolate Lover by J. M. Orman, trainer D Vienna, for \$10,000.

\$5 EXACTA (12-1) PAID \$115.00

The extreme inefficiency required to have the place payoff exceed the win payoff is rare, however. It usually occurs when a seemingly unbeatable horse is bet at extremely low odds to win, while the place (and possibly also the show) betting is simply overlooked. The crowd feels that the payoff will be too small to warrant the risk. They could not be more wrong! A typical example of this was the 1983 Florida Derby, where Copelan, a 1—5 shot, paid \$3.00 to place and \$2.60 to show. His win payoff had he won, would have been \$2.40.

11th One and one-sixteenth miles. Three-year-olds and up. Claiming \$4,000. Purse \$3,900.

Horse	Jockey	Wt	P	1/2	3/4	Str	Fin	Odds
Dollar Power	Spencer	113	5	1-5	1-3	1-5	1-5	12.60
Duffus Castle	Wrayton	101	8	6-1/2	4-1	2-h	2-1	4.30
Tagy	Rycroft	115	10	10	9-1	5-1/2	3-1	17.60
Pertock	Krasner	109	3	8-1/2	6-1/2	4-2	4-3/2	2.85
Here To Shine	Creighton	113	9	3-1	2-2	3-2	5-no	11.10
Glen Magic	Mena	113	7	4-2	5-2	6-h	6-1	4.30
Individual Boy	L'siere	108	1	9-2 1/2	8-1 1/2	8-5	7-1 1/2	6.05
North Lane	Patzer	117	6	2-2 1/2	2-2 1/2	2-1/2	3-h	6.75
Conciliator	Adcock	116	4	5-1/2	10	9-4	9-7	8.90
Silver Ducat	Johnson	113	2	7-2	7-h	10	10	8.00

Time — :47.4, 1:14.1, 1:42, 1:49.1.

Winner: Command Module-Miss Hot Shot.

Trainer: Delores Hehn

DOLLAR POWER	27.20	14.20	9.60
DUFFUS CASTLE		15.80	9.30
TAGY			11.50

Triactor (5,8,10) paid \$3,457.50

GULFSTREAM PARK Florida Derby

Time 1:49 4/5

Croeso	172.00	35.80	12.40
Copelan		3.00	2.60
Law Talk			5.60

Also ran in order — My Mac, Chumming, Blink, Current Hope, Princilian, Pure Grit, Caveat, Bet Big, El Cubanoso, Thalassocrat.

Jockeys—Olivares, Pincay, Hernandez.

Perfecta (10-5) paid \$366.20

This behavior often occurs in the last race or two when many bettors are looking only to the exotics and the win pools for a big payoff to get back to even. This was the case in the eleventh race at Exhibition Park on July 27, 1983. Duffus Castle, at 4.30—1, paid a whopping \$15.80 to place and \$9.30 to show. If he had won, his payoff would have been only \$10.60.

Many observers consider the greatest performance of all time by a thoroughbred to be Secretariat's win in the 1973 Belmont Stakes by an amazing thirty-one lengths. He broke the track record for the 1 1/2-mile distance by a full two seconds, ten lengths better than any previous horse. Equally impressive is the fact that, at 1—10 win odds, his place payoff profits were double those for win. A \$2.40 place payoff in a five-horse field with a 1—10 shot is a truly amazing bet.

The mighty Kelso, who was horse of the year for an unprecedented five consecutive years from 1960 to 1964, often returned more to place than win as the two following race charts indicate.

Such payoffs occur frequently on the very best horses. John Henry was the horse of the year in 1981, and he is the all-time leading money winner, with earnings of over \$4 million. In the 1983 running of the Arlington Million, he was the favorite of the crowd at 7—5. He lost the race to the 38—1 shot, Tolomeo. His place payoff, however, was \$4.80, the same as he would have paid to win had he won.

Place and also show payoffs almost as good occur frequently with odds-

Belmont Stakes

EIGHTH RACE
Bel
June 9, 1973

1½ MILES. (2:26⅔). One Hundred-fifth running BELMONT. SCALE WEIGHTS. \$125,000 added. 3-year-olds. By subscription of \$100 each to accompany the nomination; \$250 to pass the entry box; \$1,000 to start. A supplementary nomination may be made of \$2,500 at the closing time of entries plus an additional \$10,000 to start, with \$125,000 added, of which 60% to the winner, 22% to second, 12% to third and 6% to fourth. Colts and geldings. Weight, 126 lbs.; fillies, 121 lbs. The winning owner will be presented with the August Belmont Memorial Cup to be retained for one year, as well as a trophy for permanent possession and trophies will be presented to the winning trainer and jockey. Closed Thursday, Feb. 15, 1973, with 187 nominations.
Value of race \$150,200. Value to winner \$90,120; second, \$33,044; third, \$18,024; fourth, \$9,012. Mutuel Pool, \$519,689. Off-track betting, \$688,460.

Last Raced	Horse	EqtAWt	PP	¼	½	1	1¼	Str	Fin	Jockeys	Owners	Odds to \$1
5-19-73 ⁸	Pim ¹ Secretariat	b3 126	1	1h	1h	17	120	128	131	RTurcotte	Meadow Stable	.10
6- 2-73 ⁶	Bel ⁴ Twice a Prince	3 126	4	45	410	3h	2h	312	2½	BBaeza	Elmendorf	17.30
5-31-73 ⁶	Bel ¹ My Gallant	b3 126	3	33	3h	47	32	2h	313	ACorderoJr	A I Appleton	12.40
5-28-73 ⁸	GS ² Pvt. Smiles	b3 126	2	5	5	5	5	5	4¾	DGargan	C V Whitney	14.30
5-19-73 ⁸	Pim ² Sham	b3 126	5	25	210	27	48	41½	5	LPincayJr	S Sommer	5.10

Time, :23⅔, :46⅕, 1:09⅔, 1:34⅕, 1:59, 2:24 (new track record) (against wind in backstretch). Track fast.
\$2 Mutuel Prices: 2-SECRETARIAT 2.20 2.40
5-TWICE A PRINCE 4.60
(NO SHOW MUTUELS SOLD)

Ch. c, by Bold Ruler—Somethingroyal, by Princequillo. Trainer, L. Laurin. Bred by Meadow Stud, Inc. (Va.).
IN GATE—5:38. OFF AT 5:38 EASTERN DAYLIGHT TIME. Start good. Won ridden out.
SECRETARIAT sent up along the inside to vie for the early lead with SHAM to the backstretch, disposed of that one after going three-quarters, drew off at will rounding the far turn and was under a hand ride from Turcotte to establish a record in a tremendous performance. TWICE A PRINCE, unable to stay with the leaders early, moved through along the rail approaching the stretch and outfinished MY GALLANT for the place. The latter, void of early foot, moved with TWICE A PRINCE rounding the far turn and fought it out gamely with that one through the drive. PVT. SMILES showed nothing. SHAM alternated for the lead with SECRETARIAT to the backstretch, wasn't able to match stride with that rival after going three-quarters and stopped badly.
Scratched—Knightly Dawn.

SEVENTH RACE
Aqu 18251
October 19, 1963

2 MILES. (Kelso, Oct. 29, 1960, 3:19⅔, 3, 119.) Forty-fifth running JOCKEY CLUB GOLD CUP. Weight for age. \$100,000 added. 3-year-olds and upward. By subscription of \$100 each, which shall accompany the nomination; \$1,000 additional to start, with \$100,000 added. The added money and all fees to be divided 65 per cent to the winner, 20 per cent to second, 10 per cent to third and 5 per cent to fourth. 3-year-olds, 119 lbs.; older, 124 lbs. The Jockey Club will present a Gold Cup to the owner of the winner and trophies will be presented to the winning trainer and jockey. Closed Tuesday, Oct. 1, with 19 nominations.
Value of race \$108,900. Value to winner \$70,785; second, \$21,780; third, \$10,890; fourth, \$5,445. Mutuel Pool, \$391,933.

Index	Horses	Eq't	A	Wt	PP	¼	½	1	1½	Str	Fin	Jockeys	Owners	Odds to \$1
18014Aqu ¹	Kelso	6	124	1	4½	23	11	12	16	14	I	Vanlez'ela	Bohemia Stable	.15
18170Aqu ⁵	Guadalcanal	5	124	2	64	54	58	510	46	25	B	Sorensen	R L Dotter	17.75
18170Aqu ³	Garwol	5	124	6	31½	31	31½	41½	3h	33½	J	Sellers	Harbor View Farm	19.75
18170Aqu ²	Will I Rule	3	119	5	2h	1h	21½	22	21½	410	J	Ruane	F E Dixon Jr	10.50
18170Aqu ⁷	Sensitivo	6	124	3	55	44	43	31	56	58	S	Hern'dez	R F Bensinger	30.45
18180Aqu ²	Left Hook	b3	119	7	7	66	6	6	6	6	W	Boland	Hobeau Farm	41.30
18170Aqu ⁴	Mr. Consistency	b5	124	4	1h	7	Saddle slipped.				J	Vasquez	Ann Peppers	9.30

Time, :25, :48⅔, 1:12⅔, 1:39, 2:30, 2:55⅕, 3:22 (with wind in backstretch). Track fast.
\$2 Mutuel Prices: 1-KELSO 2.30 2.40 2.10
2-GUADALCANAL 6.20 3.00
6-GARWOL 2.40

Dk. b. or br. g, by Your Host—Maid of Flight, by Count Fleet. Trainer, C. H. Hanford. Bred by Mrs. R. C. duPont.
IN GATE—4:50. OFF AT 4:50 EASTERN DAYLIGHT TIME. Start good. Won easily.
KELSO, steadied when caught between horses during the initial quarter-mile, took command after three-quarters and, establishing a long lead in the upper stretch, won with speed in reserve. GUADALCANAL saved ground while outrun early and finished determinedly in the middle of the track but was unable to threaten KELSO, although much the best of the others. GARWOL, forwardly placed and in hand to the last half-mile, made a mild challenge entering the stretch and tired. WILL I RULE, forwardly placed until inside the stretch, had nothing left. SENSITIVO moved up boldly near the upper turn but failed to stay. LEFT HOOK, never close, had no mishap. MR. CONSISTENCY was pulled up near the three-quarters mile pole after the rider's saddle had slipped.

on favorites, such as in the 1977 Kentucky Derby with Seattle Slew, the 1981 Blue Grass Stakes at Keeneland with Proud Appeal, and the E.P. Taylor Stakes at Woodbine with De La Rose. Later in the chapter you will learn how to evaluate how good these payoffs really are.

SEVENTH RACE
Sar 21296
August 27, 1964

1 1-8 MILES (turf). (Shield Bearer, Aug. 9, 1961, 1:47, 6, 117.) Mechanicville Purse. Allowances. Purse \$9,500. 3-year-olds and upward which have not won three races of \$2,925 in 1964. 3-year-olds, 116 lbs.; older, 123 lbs. Non-winners of two races of \$3,575 at a mile or over since May 30 allowed 3 lbs.; of two such races since April 22, 5 lbs.; of such a race since then, 7 lbs. (Maiden, claiming, optional and starter races not considered.)

Value to winner \$6,175; second, \$1,900; third, \$950; fourth, \$475. Mutuel Pool, \$106,000.

Index	Horses	Eq't	A	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockeys	Owners	Odds to \$1
20996	Aqu ⁵ —Kelso	7	118	4	3	21½	21	21	11½	12½	I	Valenz'ela	Bohemia Stable	.30
21261	Sar ² —Knightsboro	b 5	116	1	1	12½	12½	1h	21½	21½	R	Turcotte	N Hellman	15.90
21242	Sar ⁵ —Rocky Thumb	b 4	120	8	8	63	66	41½	3½	35	J	Combest	E B Ryan	27.85
21208	Sar ¹ —Flag	4	118	5	2	3h	31½	33	43	41	R	Ussery	R C Kidder	5.15
21157	Sar ⁴ —Jay Dee	5	116	6	7	53	5h	63	5h	53	H	Gustines	J M Schiff	53.85
21171	Sar ² —Swift Sands	b 6	116	7	4	43	43	53	61	6h	J	Ruane	Mrs V Adams	14.85
21242	Sar ⁶ —Dusky Damion	b 7	116	3	5	71	71	73	76	76	D	Pierce	Swiftsure Stable	11.70
21162	Ran ⁵ —Shop	5	116	2	6	8	8	8	8	8	J	L Rotz	B Ferrari	75.70

Time, 1:46¾ (with wind in backstretch). Track hard. NEW COURSE RECORD. EQUALS AMERICAN RECORD.

\$2 Mutuel Prices:	4-KELSO	2.60	2.70	2.30
	1-KNIGHTSBORO		6.30	4.10
	8-ROCKY THUMB			4.90

Dk. b. or br. g, by Your Host—Maid of Flight, by Count Fleet. Trainer, C. Hanford. Bred by Mrs. R.C. duPont, Jr.

IN GATE—5:08. OFF AT 5:08 EASTERN DAYLIGHT TIME. Start good. Won handily.

KELSO, forwardly placed from the start, took command from KNIGHTSBORO after entering the stretch and drew clear while under mild urging. KNIGHTSBORO, away fast, set the pace until inside the stretch but was unable to stay with KELSO. ROCKY THUMB, reserved early, moved to the inside at the final turn but could not better his position when set down in the drive. FLAG, caught between horses and checked slightly approaching the stretch, failed to respond when clear. JAY DEE had no excuse. SWIFT SANDS tired after showing early speed. DUSKY DAMION and SHOP, never close, had no mishaps.

Scratched—21242Sar Grand Applause.

NINTH—1¼ miles, main turf, 3-year-olds up, ARLINGTON MILLION:

Horse and Jockey	PP	1/4	3/4	1M	Str.	Fin.	\$1
Tolomeo [Eddery]	5	2hd	3½	3hd	31½	1nk	38.20
John Henry [McCarron]	13	3½	21½	21	21	2½	1.40
Nijinsky's Secret [Velez]	7	11	1hd	1½	1½	32	10.30
Thunder Puddles[Cordero]	9	6½	61	61½	61	4nk	13.10
a—Erins Isle [Pincay]	2	81½	81	82	84	5nk	2.40
Hush Dear [Vasquez]	6	91	5hd	4hd	41	62	19.90
f—Bold Run [Starkey]	8	4½	4hd	5½	5hd	7no	36.60
Muscattite [Fires]	3	51	7hd	7hd	7hd	8¾	24.00
Trevita [Velasquez]	4	7hd	111½	111	105	92½	38.30
Rossi Gold [Day]	1	11½	134	132	131	101	21.90
Be My Native [Piggott]	11	12hd	101	9hd	9½	112¼	17.40
Majesty's Prince [Maple]	12	14	14	14	112	1210	10.40
a—The Wonder	14	134	9½	10½	14	13nk	2.40

[Shoemaker]
f—Noble Player [Cauthen] 10 10½ 121½ 122 122 14 36.60

\$2 mutuels paid:			
Tolomeo	78.40	33.20	17.00
John Henry		4.80	3.40
Nijinsky's Secret			6.00

Time—:24 2/5, :50 3/5, 1:41 3/5, 2:04 2/5. Winner BC 3 by Lypheor-Almagest by Dike. Owned by Carlo d'Alessio. Trained by Luca M. Cumanl. Mutuel pool \$645,542. Perfecta pool \$229,587.

Perfecta [5-11] \$439.20

Some outstanding show bets are on pages 47–52. These include Harry Caray in a claiming race at River Downs, Lamerok in the Bougainvillea Handicap, Noble Nashua and Maudlin in the Jerome Handicap, Perfect Remedy in the HITS Parade Invitational Futurity, Fearless Miss in a maiden race at Beulah, I'm Smokin in an allowance race at Santa Anita, Foolish Girl in an allowance race at Hollywood Park, Ballysadare in a maiden race at Hialeah, Spectacular Nashua and Sunny And Clear in a claiming race at Woodbine, Honey Fox in the Black Helen Handicap at Hialeah, J. Burns in

103rd Kentucky Derby, May 7, 1977

\$267,200 gross value and \$15,000 Gold Cup. Net to winner \$214,700; second \$30,000; third \$15,000; fourth \$7,500. 297 nominations.

Horse	Eqt	Wt	PP	1/4	1/2	3/4	1	Str	Fin	Jockeys	Owners	Odds to \$1
Seattle Slew	126	4	2 ¹	2 ⁴	2 ⁴	1 ^h	1 ³	11 ³ / ₄	J. Cruguet	Karen L. Taylor		.50
Run Dusty Run . .	126	8	4 ¹ / ₂	4 ³	4 ¹	3 ¹	2 ³	2 ^{nk}	D. McHargue	Golden Chance Farm	a-5.50	
Sanhedrin	b 126	1	12 ¹ / ₂	10 ¹	12 ²	8 ²	4 ¹ / ₂	3 ³ / ₄	J. Velasquez	Darby Dan Farm		14.60
Get the Axe	126	5	9 ²	9 ¹ / ₂	9 ^h	9 ^h	7 ²	4 ^{no}	W. Shoemaker	Bwamazon Farm		27.90
Steve's Friend . . .	b 126	11	7 ¹ / ₂	7 ¹ / ₂	5 ¹ / ₂	4 ²	5 ¹ / ₂	5 ^{no}	R. Hernandez	Kinship Stable		29.20
Papelote	b 126	14	5 ¹ / ₂	6 ²	8 ¹ / ₂	7 ¹ / ₂	6 ²	6 ² / ₄	M. A. Rivera	Marvin L. Warner	f-42.80	
Giboulee	b 126	13	12 ²	8 ¹ / ₂	10 ^h	13 ¹ / ₂	9 ¹ / ₂	7 ^h	J. Fell	J. L. Levesque		40.20
For the Moment . .	b 126	10	1 ¹ / ₂	1 ^h	1 ¹	2 ³	3 ¹ / ₂	8 ³ / ₄	A. Cordero, Jr.	Gerald Robins		7.00
Affiliate	b 126	7	10 ¹ / ₂	12 ²	11 ^h	6 ¹ / ₂	8 ¹ / ₂	9 ¹ / ₄	L. Pincay, Jr.	Harbor View Farm		38.20
Flag Officer	126	6	15	11 ¹ / ₂	13 ¹ / ₂	10 ¹	10 ¹ / ₂	10 ¹ / ₂	L. Ahrens	Nasty Stable		46.90
Bob's Dusty	126	3	3 ³	3 ⁵	3 ²	5 ²	12 ²	11 ^{nk}	J. C. Espinoza	R. N. Lehmann	a-5.50	
Sir Sir	126	2	6 ¹ / ₂	5 ¹	6 ²	12 ²	11 ^h	12 ²	J. J. Rodriguez	La Luna Stable	f-42.80	
Nostalgia	b 126	15	13 ¹ / ₂	14 ¹ / ₂	14 ¹	14 ³	13 ⁶	13 ³	L. Snyder	W. S. Farish III		40.00
Western Wind	126	9	14 ¹ / ₂	15	15	15	14 ⁷	14 ¹⁰	R. Turcotte	J. M. Roebling		31.10
Best Person	b 126	12	8 ³	13 ¹ / ₂	7 ¹	11 ¹	15	15	G. Patterson	W. C. Partee	f-42.80	

Time: :23, :45-4/5, 1:10-3/5, 1:36, 2:02-1/5. Track fast. Off at 5:41 EDT. Start good. Won ridden out.

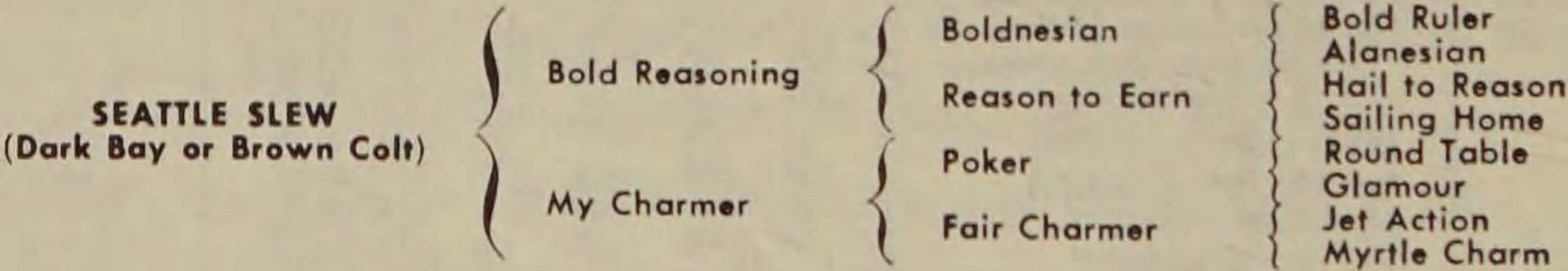
Coupled: a-Run Dusty Run and Bob's Dusty. f-Mutuel field.

\$2 mutuels paid—Seattle Slew \$3.00 straight, \$2.80 place, \$2.80 show; Run Dusty Run \$3.40 place, \$3.20 show; Sanhedrin \$4.60 show.

Winner—Dk. b. or br. c, by Bold Reasoning—My Charmer, by Poker, trainer William H. Turner, Jr.; bred in Kentucky by Ben S. Castleman.

SEATTLE SLEW swerved sharply to the outside into GET THE AXE, after failing to break smartly, was rushed to the leaders early placing SIR SIR in slightly close quarters, continuing through tight quarters nearing the end of the opening quarter. SEATTLE SLEW forced his way through moving FLAG OFFICER, AFFILIATE and BOB'S DUSTY out. Continuing in full stride, SEATTLE SLEW engaged FOR THE MOMENT at that point to duel for the lead from the outside to the top of the stretch at which stage he disposed of that one when put to extreme pressure, drew off with a rush and prevailed under intermittent urging. RUN DUSTY RUN broke well to gain a forward position, rallied along the outside on the final turn, continued willingly only to lug in through the closing stages and could not reach the winner. RUN DUSTY RUN survived a claim of foul lodged by the rider of SANHEDRIN for alleged interference in the closing stages. The latter, unhurried early while racing along the inner railing, came out for the drive and finished full of run. GET THE AXE closed some ground in his late bid but could not seriously threaten. STEVE'S FRIEND, unhurried early, moved up gradually along the outside on the second turn to loom boldly a furlong away but lacked a further response. PAPELOTE saved ground to no avail. FOR THE MOMENT, away sharply to make the pace, saved ground while dueling with SEATTLE SLEW to the top of the stretch at which point he succumbed suddenly. FLAG OFFICER was outrun. BOB'S DUSTY showed forwardly for three-quarters and retired. SIR SIR was caught in close quarters after the start.

THE WINNER'S PEDIGREE AND CAREER HIGHLIGHTS



Year	Age	Sts	1st	2nd	3rd	Won
1976	2	3	3	0	0	\$ 66,669
1977	3	7	6	0	0	641,370
1978	4	7	5	2	0	473,006
Totals		17	14	2	0	\$1,208,726

At 2 Years	WON	Champagne
At 3 Years	{ WON UNP	{ Kentucky Derby, Flamingo, Wood, Preakness, Belmont Stakes Swaps
At 4 Years	{ WON 2ND	{ Marlboro Cup, Woodward, Stuyvesant Patterson, Jackey Club Gold Cup

an allowance race at Arlington,* Glorious Song in the Beldame Stakes at Belmont and the 1978 triple crown winner Affirmed in the Charles H. Strub Stakes at Santa Anita in February 1979.

*Perplext's payoff of \$8.20 for show at 10.3—1 was good, but not outstanding. Such long shots are typically overbet to win and here to place as well.

Blue Grass Stakes

SEVENTH RACE 1 1/4 MILES. (1.47%) 57th Running THE BLUE GRASS STAKES (Grade I). \$150,000 Keeneland Added. For 3-year-olds. By subscription of \$75 each which shall accompany the nomination, \$750 to pass the entry box and \$750 additional to start, with \$150,000 added (plus \$15,000 KTDF), of which 65% of all monies to the owner of the winner, 20% to second, 10% to third, and 5% to fourth. Colts and geldings. Weights: colts and geldings, 121 lbs.; fillies, 116 lbs. In the event the number of starters requires the race to be run in more than one division, it will be drawn in accordance with the rules of racing, and not less than 75% of the added purse will be offered in each division. Starters to be named through the entry box by the usual time of closing. The owner of the winner to receive a gold julep cup. No Supplementary Nominations. (In the event the field exceeds twelve and the race is not divided, the race will start at the eighth pole and finish at the sixteenth pole). Closed with 243 nominations. Value of race \$186,375, value to winner \$120,553, second \$37,095, third \$20,047, fourth \$9,274. \$13,500 Reverts to the KTDF. Mutuel pool \$504,694.

Last Raced	Horse	Eqt	A	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1					
5Apr81	*Aqu1						3	121	6	3	11 1/2	1 1/2	1st 12 13	Fell J	a-.50			
29Mar81	*FG11						3	121	5	7	6 1/2	4 1/2	31 33	2 1/2	Day P	85.60		
14Apr81	7Kee3						3	121	9	4	21	21 1/2	24 22 1/2	3rd	Espinoza J C	a-.50		
28Mar81	*Hia3						3	121	3	11	11	10th	8 1/2	5 1/2	4 1/2	Thornburg B	16.60	
29Mar81	*FG3						b	3	121	10	6	7 1/2	6 1/2	8 1/2	5 1/2	Rubbicco P	12.10	
14Apr81	7Kee2						3	121	2	9	9 1/2	7th	7 1/2	6 1/2	6 1/2	Velasquez J	10.30	
14Apr81	7Kee4						3	121	4	2	32	31	41 1/2	72	72	McHargue D G	48.10	
6Apr81	*Aqu1						3	121	1	1	5th	5 1/2	5 1/2	4 1/2	8 1/2	Asmussen C B	45.10	
18Mar81	*Hia7						3	121	7	10	10th	11	11	9 1/2	9 1/2	Brumfield D	5.90	
14Apr81	7Kee1						b	3	121	8	8	8th	9 1/2	9 1/2	10 1/2	10 1/2	Delahoussaye D J	9.60
16Apr81	*Kee1						b	3	121	11	5	4 1/2	8 1/2	10th	11	11	Delahoussaye E	69.00

a-Coupled: Proud Appeal and Golden Derby.
OFF AT 4:49, EST. Start good, Won ridden out. Time, :23 3/4, :47 3/4, 1:11 3/4, 1:38, 1:51 3/4. Track sloppy.
\$2 Mutuel Prices: 1-PROUD APPEAL (a-entry) 3.00 3.00 2.80
6-LAW ME 30.00 11.20
1-GOLDEN DERBY (a-entry) 3.00 3.00 2.80

Dk. b. or br. c, by Valid Appeal—Proud N' Happy, by Proudest Roman. Trainer Hough Stanley M. Bred by Camp P & Yowell R (Fla).
PROUD APPEAL, away alertly and quickly in command, made all the pace, shook off a challenge by GOLDEN DERBY approaching the lane, responded to intermittent left-handed urging in upper stretch, ducked out slightly just before the furlong marker and again before the sixteenth pole but was straightened away to increase the margin under a hand ride late. LAW ME, allowed to settle early, rallied with left-handed pressure when set down for the drive and was up to gain the place while no threat to the winner. GOLDEN DERBY prompted the early pace, challenged approaching the lane, could not match the winner and weakened in the final strides. DOUBLE SONIC, devoid of early foot, found best stride late. BEAU RIT had no rally. SPORTIN' LIFE had no speed. HABANO had speed for a half and gave way steadily. SHAHNAMEH never launched a serious bid. CINNAMON'S CHOICE was always far back. SWINGING LIGHT never threatened. BYSANTINE flashed brief foot.
Owners— 1, Winfield M H; 2, Whittaker E; 3, Gaines & Lehmann; 4, Elias F & L; 5, Roussel Carol; 6, Farish W S III; 7, Coello M A; 8, Manhasset Stable; 9, Calumet Farm; 10, Zantker E; 11, Saron Stable.
Trainers— 1, Hough Stanley M; 2, McClain Edward T; 3, Adams William E; 4, Krnjach George; 5, Roussel Louis III; 6, Carroll Del W; 7, Gonzalez Francisco; 8, Picou James E; 9, Veitch John M; 10, Conway James P; 11, Drysdale Neil.
Scratched—Tap Shoes (28Mar81 *Hia1).

E. P. Taylor Stakes

NINTH RACE 1 1/4 MILES. (inner-turf). (2.01%) *26th Running E P TAYLOR STAKES (Grade III). Woodbine \$100,000 added. Fillies and Mares. 3-year-olds and up. By subscription of \$100 each which shall accompany the nomination and an additional \$1,000 when making entry; with \$100,000 added, plus all fees to be divided 60% to winner, 20% to second, 11% to third, 6% to fourth and 3% to fifth. 3-year-olds. Weight 118 lbs. (53 1/2 kg); older, 124 lbs. (56 kg) (European Scale). (No Canadian-bred allowances). Final entries to be made through the entry box at the closing time then in effect for overnight events. A trophy will be presented to the winning owner. (\$35,000 of this purse has been provided through the Province of Ontario's thoroughbred racing and breeding improvement program). Nominations closed Tuesday, September 8, 1981 with 50 nominations). *Formerly run as the Nettle Stakes. Value of race \$115,000, value to winner \$69,000, second \$23,000, third \$12,650, fourth \$6,900, fifth \$3,450. Mutuel pool \$192,126.

Last Raced	Horse	Eqt	A	Wt	PP	1/4	1/2	3/4	1	Str	Fin	Jockey	Odds \$1	
12Oct81	*Bel1			3	118	4	8 1/2	8 1/2	8 1/2	2 1/2	13 1/2	12 1/2	Maple E	.30
4Oct81	*Fra13			3	118	7	6 1/2	4 1/2	4th	6 1/2	2 1/2	2 1/2	Lequeux A	a-6.55
30Sep81	*Fra2			3	118	1	7 1/2	7th	9	4th	3 1/2	Stahlbaum G	a-6.55	
30Oct81	*WO2			4	124	9	9	9	5 1/2	5th	5 1/2	4th	Hosang G	b-5.90
30Oct81	*WO3			3	118	2	4 1/2	3rd	6th	7th	6th	5 1/2	Penna D	25.55
31Aug81	*Eng2			3	118	6	3rd	5th	7 1/2	8 1/2	8 1/2	6 1/2	Swatuk B	24.90
10Oct81	*WO6			3	118	8	5th	6 1/2	2nd	4 1/2	9	7th	Grubb R	30.65
30Oct81	*WO4			3	118	5	1th	2 1/2	3 1/2	3 1/2	7 1/2	8th	Dennie D	b-5.90
20Oct81	*Med2			5	124	3	2 1/2	1th	1 1/2	1th	3 1/2	9	Beckon D	12.80

a-Coupled: Sangue and Sajama; b-Turnablad and Suave Princess.
OFF AT 5:01 EDT. Start good, Won handily. Time, :25 3/4, :49 3/4, 1:15 3/4, 1:41 3/4, 2:05 3/4. Course firm.
\$2 Mutuel Prices: 5-DE LA ROSE 2.60 2.30 2.50
1-SANGUE (a-entry) 3.60 5.00
1-SAJAMA (a-entry) 3.60 5.00
B. f, by Mijinsky II—Rosetta Stone, by Round Table. Trainer Stephens Woodford C. Bred by Miller & West Mr.-Mrs R S (Ky).
Owners— 1, DeKwiatkowski H; 2, Nahas N; 3, Mahas N; 4, Sikura J; 5, Hyde E G; 6, Sangster R E; 7, Whispering Hills; 8, Sikura J; 9, Irish Acres Farm.
Trainers— 1, Stephens Woodford C; 2, Zilber Maurice; 3, Zilber Maurice; 4, Mattine T; 5, Merrill Frank H; 6, Hills Barry W; 7, Nemett G S; 8, Allain Emile M; 9, Hickey P Noel.
Scratched—Condessa (4Oct81 *Fra18).

SECOND RACE River Downs APRIL 25, 1983

6 FURLONGS. (1.08%) CLAIMING. Purse \$2,800. 3-year-olds and upward which have not won three races in 1982-83. Weight, 3-year-olds, 111 lbs.; older, 124 lbs. Non-winners of two races in 1983 allowed 3 lbs.; a race in 1983, 6 lbs. Claiming price \$3,000.

Value of race \$2,800, value to winner \$1,680, second \$560, third \$280, fourth \$140, fifth \$84, sixths \$28 each. Mutuel pool \$17,013. Quinella pool \$14,135.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	Str	Fin	Jockey	Cl'g Pr	Odds \$1	
16Apr83	7Beu ⁷	Big Hock	b	8	116	7	1	2 ¹ / ₂	2 ³ / ₂	15	110	Neff S	3000	8.30
25Mar83	20P ¹²	Harry Caray		7	116	8	5	6 ¹ / ₂	7 ¹ / ₂	5 ¹ / ₂	2 ^{no}	Ouzts P W	3000	1.10
16Mar83	7Lat ⁹	Market Bagger		9	116	3	9	8 ¹ / ₂	8 ¹ / ₂	6 ¹ / ₂	3 ¹ / ₂	Henson J R	3000	5.60
30Dec82	6Lat ¹⁰	Joey R. Boy		5	116	1	8	7 ¹ / ₂	5 ¹ / ₂	3 ¹ / ₂	4 ¹ / ₂	Henry W T	3000	13.40
10Mar83	6Lat ⁹	Red Mirage	b	9	116	12	4	3 ^{hd}	3 ¹ / ₂	7 ² / ₂	5 ¹ / ₂	Arnold M W	3000	45.40
7Apr83	2Beu ⁴	[DH] In My Prime		6	116	5	2	12 ¹ / ₂	1 ¹ / ₂	2 ¹ / ₂	6	Matias R R	3000	19.00
9Apr83	1Beu ³	[DH] Bad Billy		9	111	6	12	12	11 ² / ₂	9 ⁴ / ₂	6 ¹ / ₂	Wade R M Jr ⁵	3000	4.70
2Apr83	10Lat ⁶	Money Layne		5	116	2	7	4 ¹ / ₂	4 ^{hd}	4 ^{hd}	8 ^{no}	Crews W	3000	17.40
29Mar83	4Lat ⁴	Reconvene		6	116	10	6	9 ⁵ / ₂	9 ⁵ / ₂	8 ¹ / ₂	9 ⁴ / ₂	Marte I	3000	12.90
31Mar83	2Lat ¹¹	Hurrian's Blizzard		5	116	4	10	10 ^{hd}	10 ^{hd}	11 ⁴ / ₂	10 ¹ / ₂	Costa A J	3000	41.10
29Mar83	3Lat ⁸	Edward Norman		5	116	11	3	5 ^{hd}	6 ^{hd}	10 ³ / ₂	11 ³ / ₂	Adkins R M	3000	80.80
14Apr83	9Beu ⁷	Mr. Hurry	b	7	116	9	11	11 ¹ / ₂	12	12	12	Eyerman M J	3000	68.90

[DH]—Dead heat.

OFF AT 2:29. Start good. Won ridden out. Time, :22 3/4, :47 1/4, 1:13 3/4. Track fast.

\$2 Mutuel Prices:

7-BIG HOCK 18.60 7.00 5.60
8-HARRY CARAY 3.00 3.60
3-MARKET BAGGER 5.80
\$3 QUINELLA (7-8) PAID \$17.40.

B. h, by Caribbean Line—Lotta Rhythm, by Rhymiss. Trainer Arnold Leo C. Bred by Olson S (Ky).
BIG HOCK raced close up early, came outside of IN MY PRIME to gain a clear lead entering the stretch, then increased his margin through the drive while ridden out. HARRY CARAY outsprinted early rallied along the inside to gain the place but did not menace. MARKET BAGGER improved his position but did not menace. JOEY R. BOY saved ground but did not threaten. IN MY PRIME and BAD BILLY finished in a dead heat for sixth.
Owners— 1, Arnold L C; 2, Danner W J; 3, Dykema C C; 4, Piepmeyer Deborah; 5, Yinger Marti & A; 6, Edwards W H; 7, Neil R; 8, Carr D; 9, Davis Jr & Held; 10, Bauer G; 11, Norman E R Jr; 12, Eyerma L J.
Harry Caray was claimed by Isaacs G; trainer, Isaacs George.
Scratched—Cathy's Good Taste (13Apr83 9Beu7); Wild and Wooley (6Apr83 3Lat7); Bo's Brick (6Apr83 9Beu8); Lil Kicker (18Mar83 4Tam8).

Bougainvillea Handicap

(2nd Division)

TENTH RACE Hialeah Park APRIL 9, 1983

1 $\frac{1}{8}$ MILES. (turf). (1.51 $\frac{1}{2}$) 38th Running BOUGAINVILLEA HANDICAP (2nd Div) (Grade II). \$40,000 Added. 3-year-olds and upward. By subscription of \$150 each, which shall accompany the nomination, \$750 to pass the entry box, Starters to pay \$750 additional with \$40,000 added. The added money and all fees to be divided 60% to the winner, 20% to second, 11% to third, 6% to fourth and 3% to fifth. Weights: Monday, April 4, 1983. Starters to be named through the entry box by the usual time of closing. Trophy to winning owner. Closed with 52 nominations. Value of race \$64,900, value to winner \$38,940, second \$12,980, third \$7,139, fourth \$3,894, fifth \$1,947. Mutuel pool \$105,499. Perfecta Pool \$91,448.

Perfecta Pool \$21,000.														
Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	¾	Str	Fin	Jockey	Odds \$1		
30Mar83	7Hia ¹	Lamerok	b	4	118	10	5	2½	2½	21	1 ^{hd} 11	Vasquez J	1.50	
21Mar83	7Hia ²	Fray Star		5	112	11	9	5½	4 ^{hd} 4 ^{hd}	31	22½	Santiago J A	25.90	
7Mar83	9GP ²	Tonzarun		5	110	6	7	42	31½	3½	72½ 3 ^{hd}	Soto S B	21.40	
21Mar83	7Hia ¹⁰	Pin Puller	b	4	110	12	14	14	14	13½	9½ 4 ^{no}	Velez J A Jr	11.80	
7Mar83	9GP ³	Dhausli		6	114	2	2	63	5½	5½	5 ^{no}	St Leon G	20.00	
21Mar83	7Hia ³	Gleaming Channel	b	5	113	14	8	12	14	1½	23½ 6 ^{hd}	Fann B	19.10	
21Mar83	9Hia ⁴	Reimbursement	b	4	110	4	1	131½	133	8½	4 ^{hd} 7	Smith A Jr	10.30	
21Mar83	9Hia ⁸	Hail Victorious	b	4	110	1	3	9½	101½	9 ^{hd} 6 ^{hd}	72	Pennisi F A	f-28.10	
21Mar83	7Hia ⁷	Niho		4	109	7	4	81½	71½	72	8½ 9½	Samyn J L	20.80	
14Mar83	8Hia ¹	Unknown Lady		4	113	13	12	121½	11 ^{hd} 111	103	102	Perret C	3.00	
7Mar83	9GP ¹⁰	Current Blade	b	5	114	5	13	111½	121	14	11 ^{hd} 11½	Bailey J D	16.50	
21Mar83	9Hia ³	Sabr Ayoub		4	111	9	11	10½	9 ^{hd} 123	126	126	Hernandez C	9.20	
26Mar83	9Hia ³	Irish Pete		4	112	3	6	3½	65	61½	133	132	Fires E	f-28.10
15Mar83	3Hia ⁵	Pimpont		6	108	8	10	7 ^{hd} 82	10 ^{hd} 14	14		Shelton R L	f-28.10	

OH—Dead heat.
f—Mutuel field.

OFF AT 5:52. Start good, Won driving. Time, 1:53 Course firm.

\$2 Mutuel Prices:

7-LAMEROK	5.00	3.80	3.80
8-FRAY STAR		12.40	11.00
4-TONZARUN			10.60
\$2 PERFECTA 7-8 PAID \$69.60.			

B. c, by Round Table—Flying Buttress, by Exclusive Native. Trainer Jolley Leroy. Bred by Brant P M (Ky).

LAMEROK was unhurried when outrun early, joined GLEAMING CHANNEL on the second turn, gained the advantage in midstretch, opened a clear lead and proved best. FRAY STAR raced forwardly between horses and was gaining on the winner at the finish. TONZARUN a factor from the outset, was shuffled back at the head of the stretch, then was gaining slowly at the finish. PIN PULLER was outrun to the head of the stretch, then finished with good energy along the outside. DHAUSLI well-placed continued on well to the finish. GLEAMING CHANNEL quickly sprinted clear, but weakened inside the final eighth. REIMBURSEMENT moved up steadily to reach contention in midstretch, but hung late to finish in a dead-head with HAIL VICTORIOUS. The latter raced along the outside and finished on even terms with REIMBURSEMENT. NIHOA lacked a closing response. UNKNOWN LADY failed to be a serious threat. CURRENT BLADE was outrun. SABR AYOUB was finished after a half. IRISH PETE was a factor for six-furlongs, then gave way. PIMPONT had some early speed.

Owners— 1, Brant P M; 2, Bucare & Stelcar Stables Inc; 3, Everett Don; 4, Heardsdale; 5, Gleis & Grod; 6, Centennial Farms; 7, Glusman Stables; 8, Allen H; 9, Polk A F; 10, Helman O; 11, Buckland Farm; 12, Moubarak A; 13, Drinkhouse M F; 14, Luro Frances W.

Overweight: Fray Star 1 pound; Tonzarun 1; Dhausli 2; Hail Victorious 4; Unknown Lady 4; Irish Pete 5.

Jerome Handicap

EIGHTH RACE Belmont AUGUST 29, 1981

1 MILE. (1.33 $\frac{1}{2}$) 112th Running JEROME HANDICAP (Grade II). \$100,000 added. To be run Saturday, August 29, 1981. 3-year-olds. By subscription of \$200 each which should accompany the nomination; \$800 to pass the entry box, with \$100,000 added. The added money and all fees to be divided 60% to winner, 22% to second, 12% to third and 6% to fourth. Weights Monday, August 24. Starters to be named at the closing time of entries.

Trophies will be presented to the winning owner, trainer and jockey and mementos to the grooms of the first four finishers. Nominations close Wednesday, August 12, 1981. Closed with 27 nominations.

Value of race \$115,000, value to winner \$69,000, second \$25,300, third \$13,800, fourth \$6,900. OTB pool \$364,582.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	¾	Str	Fin	Jockey	Odds \$1		
15Aug81	8Sar4	Noble Nashua	3	120	3	8	81½	5½	32	24	13½	Asmussen C B	3.10	
2Aug81	5Sar1	Maudlin		3	112	7	3	1½	11½	11½	1½	23½	Cordero A Jr	3.90
15Aug81	1Sar4	Sing Sing	b	3	109	9	11	11	11	7hd	62	31½	Venezia M	62.10
14Aug81	7Sar1	Red Wing Prince		3	107	2	6	4½	82	52	4hd	41½	Credidio A Jr	24.10
19Jly81	8Bel2	Proud Appeal		3	126	8	9	5½	3hd	41½	5hd	51	Fell J	2.20
9Aug81	6Sar2	Pass The Tab		3	113	10	1	31	21½	21½	33	6½	Vasquez J	13.20
15Aug81	8Sar1	Willow Hour		3	123	4	4	6½	6hd	6hd	83	7hd	Maple E	7.10
2Aug81	8Sar3	Silver Supreme	b	3	114	5	10	104	91	84	7hd	83	Migliore R	19.60
15Aug81	8Sar7	Lemhi Gold		3	117	11	2	91½	101	91	98	911	Velasquez J	11.60
15Aug81	1Sar6	Swinging Light	b	3	111	6	7	71	7½	11	11	101	Martens G	82.90
15Aug81	1Sar1	Face the Moment		3	112	1	5	21	41	103	10½	11	MacBeth D	27.10

OFF AT 5:04, EDT. Start good, Won ridden out. Time, :22 $\frac{3}{4}$, :44 $\frac{1}{2}$, 1:08 $\frac{3}{4}$, 1:33 $\frac{1}{2}$ Track fast.

New track record.

\$2 Mutuel Prices:

3-(C)-NOBLE NASHUA	8.20	4.20	4.40
7-(G)-MAUDLIN		5.20	5.60
10-(J)-SING SING			13.80

Dk. b. or br. c, by Nashua—Noble Lady, by Vaguely Noble. Trainer Martin Jose. Bred by Grousemont Farm (Ky).

Owners— 1, Flying Zee Stable; 2, Tartan Stable; 3, Sugartown Stable; 4, Daybreak Farm; 5, Meadow Bay Stable; 6, Villareal L; 7, Schott Marcia W; 8, Berry M; 9, Jones Aaron U; 10, Zantker E; 11, Mangurian H T Jr.

Trainers— 1, Martin Jose; 2, Nerud Jan H; 3, Nickerson Victor J; 4, Fernandez Floreano; 5, Hough Stanley M; 6, Barrera Albert S; 7, Picou James E; 8, DeStasio Richard T; 9, Barrera Lazaro S; 10, Conway James P; 11, Root Thomas F Jr.

Overweight: Maudlin 4 pounds; Swinging Light 3.

Scratched—Master Tommy (17Aug81¹⁰Wat2).

HITS Parade Invitational Futurity

NINTH RACE Fair Grounds

DECEMBER 26, 1981

6 FURLONGS. (1.09) 2nd Running HITS PARADE INVITATIONAL FUTURITY. \$100,000 Guaranteed. For foals of 1979 auctioned off at the Hits Parade Invitational Two-Year Olds In Training Sale of April 26, 1981. Weight, Fillies 117 lbs. Colts and Geldings 120 lbs. Winners of \$50,000 or more to carry 3 lbs. additional. Non-winners of a stakes allowed 3 lbs. Non-winners of two races allowed 5 lbs. Maidens allowed 7 lbs.

No apprentice allowance. No supplemental nominations. Those Fillies, having paid all nomination, sustaining, qualifying and entry fees to the Hits Parade Invitational Futurity, have the option of paying a \$50 nomination fee and running in a \$25,000 Added Filly Hits Parade Invitational Futurity.

Value of race \$119,020, value to winner \$71,412, second \$23,804, third \$13,092, fourth \$7,141, fifth \$3,571. Mutuel pool \$111,964. Exacta Pool \$134,645.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1
17Dec81 8FG4	Real Dare		2 113	11	6	2hd	11½	16	113	Franklin R J	b-4.50
17Dec81 4FG1	Perfect Remedy	b	2 115	3	4	5hd	31½	34	25	Ardoir R	.90
17Dec81 6FG1	Kin of Kingley	b	2 117	7	7	1hd	23	2hd	31½	Patin B C	17.70
17Dec81 8FG3	To Tall Tara		2 114	5	8	10½	92	64	4hd	Copling D	12.60
17Dec81 4FG5	Native Ben		2 115	12	11	91½	8hd	4½	5no	Frazier R L	33.00
17Dec81 8FG2	Miss Pro Teen	b	2 114	2	9	6hd	6hd	5hd	64	Guidry R D	7.90
17Dec81 4FG6	Positive Dream		2 113	13	14	12½	111½	81½	71½	Breen R	b-4.50
17Dec81 4FG4	Caesar's Conquest		2 113	14	1	136	134	93	82	Gell V D	a-50.60
17Dec81 4FG2	Quebec Dancer		2 115	4	5	7½	5hd	7hd	91½	Romero R P	11.40
17Dec81 4FG3	Stiletto		2 115	10	2	3hd	7hd	102	102½	Herrera C	32.10
17Dec81 6FG4	Steve Mission	b	2 115	8	10	81	12hd	111	111	Munster L	9.00
17Dec81 6FG2	Lil Billy Boy	b	2 115	6	12	11hd	10hd	121½	121½	Barbazon D S	54.50
17Dec81 8FG5	Royce's Pride		2 113	1	3	41½	4hd	13hd	13nk	Barrow T	a-50.60
17Dec81 8FG6	City Judge		2 115	9	13	14	14	14	14	Guajardo A	133.00

a-Coupled: Caesar's Conquest and Royce's Pride; b-Real Dare and Positive Dream.

OFF AT 4:36 CST. Start good, Won easily. Time, :22½, :46, 1:11½ Track fast.

\$3 Mutuel Prices: 2-REAL DARE (b-entry) 16.50 7.80 6.90
4-PERFECT REMEDY 5.10 5.10
8-KIN OF KINGLEY 11.10
\$3 EXACTA 2-4 PAID \$51.90.

B. g, by Beau Groton—Big Dare, by Kentucky Pride. Trainer Dorignac J P III. Bred by Dorignac J P Jr (La).

Owners— 1, Dorignac J P Jr; 2, Franks J; 3, Robert R J; 4, Huffman D; 5, Rollins B; 6, Williams A; 7, Dorignac Margaret; 8, Bader Paula; 9, Trotter W E II; 10, Broussard J E; 11, Faldon M L; 12, Roberts M; 13, Bader Paule; 14, Roberts R F.

Trainers— 1, Dorignac J P III; 2, Marshall Louis G; 3, Calais Ralph; 4, Huffman Don; 5, Gelpi David A; 6, Mabry John C; 7, Dorignac J P III; 8, Fox William I; 9, McKean Clyde Sr; 10, Broussard Joseph E; 11, Dettwiller Dan; 12, Alleman Joe; 13, Fox William I; 14, Alleman Joseph.

Overweight: Stiletto 2 pounds.

Scratched—Knight of Truth (17Dec81 8FG7).

SECOND RACE

Beulah

APRIL 27, 1983

6 FURLONGS. (1.09½) MAIDEN. SPECIAL WEIGHT. Purse \$5,400 (includes \$2,000 from the OTF). Fillies. 3 and 4-year-olds, Ohio-bred. Weight, 3-year-olds, 112 lbs.; 4-year-olds, 122 lbs.

Value of race \$5,400, value to winner \$3,240, second \$1,080, third \$540, fourth \$270, fifth \$162, sixth \$108. Mutuel pool \$14,772.

Quinella Pool \$15,103.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1
	Fearless Miss		4 122	5	5	22½	1hd	11	14½	Matias R R	2.20
13Dec82 9Tdn8	Alice Sugar		3 114	9	1	1hd	25	25	27	Gehri D L	6.60
	She's My Partner		3 114	8	9	61½	4hd	32	34	Sosa R	17.50
20Apr83 3Beu4	Papila Fair		3 116	11	8	7hd	61	61	43½	Rice D R Jr	12.10
20Apr83 3Beu3	Victoria Velvet		3 114	2	10	83	84	72½	5½	Perrotta M	3.10
20Apr83 3Beu6	Blinda	b	3 114	6	6	41	53	42	64	Jimenez M A	42.70
	Rullah Mae	b	3 118	4	7	5½	7½	83	71	Lang D D	4.00
13Apr83 2Beu8	Enthusiastic Lady		3 112	7	4	3hd	3hd	5hd	82½	Delaura K A	6.50
13Apr83 2Beu9	Bold Nova		3 114	3	12	12	12	105	92½	Diehl C	96.30
20Apr83 3Beu7	Mojo Work'n		3 114	12	3	103	91	9½	105	Alicea M	64.90
20Apr83 3Beu10	Evermoor		3 113	1	11	11hd	11hd	111½	112	Spickard M A	48.50
20Apr83 3Beu11	Bell Dawn		3 112	10	2	91½	10½	12	12	Schwing C	60.70

OFF AT 2:27. Start good. Won ridden out. Time, :22½, :46½, 1:12½ Track fast.

\$2 Mutuel Prices: 5-FEARLESS MISS 6.40 3.40 3.60
9-ALICE SUGAR 6.40 5.00
8-SHE'S MY PARTNER 6.80
\$3 QUINELLA (5-9) PAID \$40.50.

Ch. f, by Bold Gun—Gala Lege, by Johns Joy. Trainer Cook Robert L. Bred by Green Meadows Farm (Ohio).

FEARLESS MISS was bumped leaving the gate then drove up to prompted the early pacesetter from the outside, took over near the stretch, and drew off in the final furlong under mild urging. ALICE SUGAR sprinted clear from the gate and angled to the rail, continued well into the midstretch, but could not match the winner late. SHE'S MY PARTNER was best of the rest. VICTORIA VELVET was bumped leaving the gate. RULLAH MAE was bumped into the winner leaving the gate. ENTHUSIASTIC LADY was finished early. BOLD NOVA broke out sharply then came in.

Owners— 1, Ryper & Routsong; 2, Sugar J J; 3, Gutheil P A; 4, Miller D L; 5, Sheets M E; 6, Horn, Harmon & McGregor; 7, Slaughter R Jr; 8, Winning Way Farm; 9, Williams J Sr; 10, Wolfe Lavaunne; 11, Group Evermore; 12, McGinnis Esther.

Overweight: Alice Sugar 2 pounds; She's My Partner 2; Papila Fair 4; Victoria Velvet 2; Blinda 2; Rullah Mae 6; Bold Nova 2; Mojo Work'n 2; Evermoor 1.

Scratched—Unruffled Sail (20Oct82 3Beu11); Anarctic Queen; Gin and Boogie (22Dec82 3Lat5); Lynda's Babe (17Apr83 2Beu12).

5730—FIFTH RACE. Six furlongs. Classified allowance. 3-year-olds & up. Purse \$34,000.

3490	Mr. Prime Minister, Vinzla	117	4	6	3 1/4	3 3/4	1st	5.70	
3689	I'm Smokin, Shoemaker	117	3	4	2 1/4	1st	11	1.50	
5651	Stand Pat, Hansen	114	2	9	9	9	8 1/4	3 1/4	31.90
1133	Murrtheblurr, Harris	115	7	2	1st	2 1/4	2 1/4	4 1/4	13.60
5651	Double Discount, Castaneda	115	5	5	6 1/4	6 1/4	5 1/4	5 1/4	3.80
1008	Priority, Pincay	117	9	1	4th	4 1/4	4th	6 1/4	7.30
1689	Kangaroo Court, Steiner	x109	1	7	8 1/4	8 1/4	6 1/4	7th	40.20
3063	Egg Toss, Winland	x109	6	8	7 1/4	7 1/4	7th	8 1/4	5.50
3751	Foyt's Ack, McHargue	116	8	3	5 1/4	5 1/4	8	9	22.50

No scratches

MR. PRIME MINISTER	13.40	6.40	5.60
I'M SMOKIN	3.20	3.60	
STAND PAT	10.40		

Time—:21 3/5, :43 4/5, :56, 1:08 4/5. Winner—b.g.5. Command Module—Janet Dear Trained by M. Millerick. Mutuel pool \$230,757. Exacta pool \$490,359.

86 EXACTA (4-3) PAID \$125.00

HIALEAH PARK
TUESDAY, APRIL 26, 1983

WEATHER CLEAR..

TRACK HARD.

10th Hia— About 1 1/4 Miles. Turf. 3 & 4-Year-Olds. Maidens Claiming (\$32,000 to \$28,000). Purse \$8,500. Value to winner \$5,100.
2-Ballysadare(Cruguet J 113) 11.40 4.20 5.40
11-Jubilance(Alvarado V 113) 3.20 2.40 4.40
10-Marechal Neigh(Fires E 113)

\$2 PERFECTA 2-11 PAID \$112.60. \$2 TRIFECTA 2-11-10 PAID \$865.60.

Time, 1:43. Course Hard. Off at 5:32.

Also ran—Boston Broker, Black And Blue, Proud And Crafty, Utopia Grey, Erd The Third, Friendly Bet, Elton's Song, Charlie's Mercedes and Derby Dream.

6075—THIRD RACE. Mile and one-sixteenth. 3-year-olds & up, fillies & mares. Allowance. Purse \$22,000.

Index	Horse and jockey—	Wt.	PP	ST.	1/4	1/2	3/4	Str.	Fin.	To \$1
5784	Foolish Girl, Castaneda	114	7	5	42	3rd	31	11	12 1/4	2.00
5784	Dazzlingly, McCarron	116	4	3	2nd	21	21	22	26	3.60
5784	Joan's Lady, Delahousaye	116	8	6	61	61	4th	3 1/4	32 1/4	11.70
5784	Delightedly, Hawley	116	2	7	5 1/4	52	63 1/4	53	41	1.10
5511	Jewel's Charity, Ortega	113	6	2	13 1/4	13	1 1/4	42 1/4	53	54.70
5608	Petite Maid, Sibille	115	5	8	8	8	72	6 1/4	61	37.30
5707	A Star Attraction, Pierce	115	3	1	32	42 1/4	5 1/4	73	72 1/4	30.70
5773	Ocean Sunset, Campos	115	1	4	71	7th	8	8	8	65.50

No scratches

FOOLISH GIRL	6.00	3.40	4.20
DAZZLINGLY	4.60	4.30	
JOAN'S LADY	5.00		

Time—:23, :46 4/5, 1:12, 1:37, 1:43 2/5. Winner—ch.f. Foolish Pleasure—Millie Ouis. Trained by G. Jones. Mutuel pool \$213,470. Exacta pool \$339,886.

4th Race Woodbine Jun. 11, 1980

5 FURLONGS. (.57%) 2-Year-Olds, Fillies, Bred In Can. Claiming (\$16,000 to \$14,000). Purse \$5,200. —Canada-bred — Value of race \$5,200, value to winner \$3,120, second \$1,040, third \$572, fourth \$312, fifth \$156. Mutuel pool \$39,289. Exactor Pool \$71,713.

Last Raced	Horse	Wt.	PP.	3/4	Str	Fin	Odds	\$1
29May80	SpectacularNashu	117	1	1hd	12	12	2.00	
29May80	Sunny And Clear	117	2	2hd	2hd	2 1/4	1.50	
29May80	TwentyThreeSouth	114	8	3 1/4	3 1/4	3 1/4	b-13.40	
	Elegant Display	112	4	6 1/4	4hd	4 1/4	a-5.85	
4Jun80	Run Sheba	111	6	4hd	5 1/4	5 1/4	10.20	
29May80	Suspicious Rose	112	7	7hd	7 1/4	6 1/4	a-5.85	
4Jun80	Zulu Princess	117	3	5hd	6 1/4	7 1/4	4.70	
29May80	Brownie T.	114	5	8	8	8	b-13.40	

a-Coupled: Elegant Display and Suspicious Rose; b-Twenty Three South and Brownie T.

Time, :23%, :48, 1:01% Track fast. OFF AT 2:48 EDT.

3-SPECTACULAR NASHUA	6.00	2.80	3.40
4-SUNNY AND CLEAR	2.50	2.60	
2-TWENTY THREE SOUTH (b-entry)		4.30	
\$2 EXACTOR 3-4 PAID \$20.10.			

8th Race Arlington Jun. 12, 1980

6 FURLONGS. (1.08%) 3-Year-Olds and Up. Allowance. Purse \$20,000. —which have not won two races of \$9,200 in 1979-80. — Value of race \$20,000, value to winner \$12,000, second \$4,000, third \$2,200, fourth \$1,200, fifth \$600. Mutuel pool \$144,149.

Last Raced	Horse	Wt.	PP.	1/2	Str	Fin	Odds	\$1
10Apr80	J. Burns	122	10	4 1/2	1 1/2	1 1/2	1.00	
5Jun80	Perplext	115	6	2 1/4	2 1/2	2 1/4	10.30	
31May80	Sippin Charter	114	1	8hd	6 1/4	3no	54.50	
26May80	Arcadia Type	117	8	5 1/4	3 1/4	4hd	26.90	
28Jly79	Liberal	110	9	9 1/4	5hd	5 1/4	31.30	
5Jun80	Cregan's Cap	119	3	1hd	4 1/4	6 1/4	3.20	
2Jun80	Razorback	112	5	6 1/4	7 1/4	7 1/4	7.20	
26May80	Manifest Victory	115	7	4 1/4	8 1/4	8 1/4	24.70	
5Jun80	Third And Lex	122	2	10	9 1/4	9 1/4	6.60	
22Jly79	Doc's First Volley	115	4	7 1/4	10	10	74.50	

Time, :22 2/5, :45, :57 1/5, 1:09 1/5 Track fast. OFF AT 5:01 1/2 CDT.

10-J. BURNS	4.00	3.40	3.40
6-PERPLEXT	8.00	8.20	
1-SIPPIN CHARTER		10.60	

Black Helen Handicap

NINTH RACE
Hialeah Park
MARCH 5, 1982

1 1/2 MILES.(turf). (1.45%) 40th Running **BLACK HELEN HANDICAP** (Grade II) \$100,000 added. Fillies and Mares. 3-year-olds and up. By subscription of \$200 each, which shall accompany the nomination, \$1,000 to pass the entry box, starters to pay \$1,000 additional with \$100,000 added. The added money and all fees to be divided 60% to the winner, 22% to second, 11% to third, 5% to fourth and 2% to fifth. Weights Saturday, Feb. 27, 1982. Starters to be named through the entry box by the usual time of closing. Trophy to winning owner. Nominations closed Fri., Feb. 19, 1982. Closed with 24 nominations.

Value of race \$121,800, value to winner \$73,080, second \$26,796, third \$13,398, fourth \$6,090, fifth \$2,436. Mutuel pool \$100,276. Perfecta Pool \$120,050.

Last Raced	Horse	Eqt.	A.	Wt	P	P	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds	\$1
15Feb82 9Hia1	Honey Fox	5	123	1	5	51 1/2	4 1/2	4 1/2	4 1/2	4 1/2	33	1 1/2	Samyn J L	1.80	
15Feb82 9Hia5	Endicotta	6	113	4	3	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	2nd	21 1/2	Fires E	40.30	
15Feb82 9Hia3	Shark Song	4	112	2	1	24	21 1/2	23	1 1/2	3 1/2	1 1/2	3 1/2	Migliore R	14.00	
15Feb82 9Hia2	De La Rose	4	124	3	8	73	76	63	4 1/2	42 1/2	4 1/2	42 1/2	Maple E	60	
15Feb82 9Hia4	Wings of Grace	4	112	6	2	32	32	3rd	5 1/2	5no	5 1/2	5no	Velasquez J	18.00	
16Feb82 8Hia1	Anti Lib	4	114	5	4	41	5 1/2	5 1/2	5 1/2	66	64	64	Vasquez J	11.30	
26Feb82 8Hia3	Friendly Frolic	b	5	109	7	6	8	8	8	8	7 1/2	7 1/2	Espinoza J C	118.20	
15Feb82 9Hia6	Lady Face	b	4	111	8	7	62	61	75	71	8	8	Penna D	73.10	

OFF AT 5:12 Start Good, Won driving. Time, 1:47 Course firm.

\$2 Mutuel Prices:

1-HONEY FOX _____ 5.60 4.00 7.00
4-ENDICOTTA _____ 14.80 12.60
2-SHARK SONG _____ 15.00
\$2 PERFECTA 1-4 PAID \$116.80.

B. m, by **Minnesota Mac**—War Sparkler, by Fort Salonga. Trainer Schulhofer Flint S. Bred by Hartigan J H (Fla). Owners— 1, Torsney J M; 2, Asbury T; 3, Tikkoo R N; 4, de Kwiatkowski H; 5, Darby Dan Farm; 6, Pen-Y-Bryn Farm; 7, Cashman Mary Lou; 8, Hyde E G. Trainers— 1, Schulhofer Flint S; 2, Rieser Stanley M; 3, Howe Peter M; 4, Stephens Woodford C; 5, Rondinello Thomas L; 6, Whiteley David A; 7, Vanier Harvey L; 8, Merrill Frank H.

Scratched—Blue Wind (20Feb82¹⁰Hia⁷).

Beldame Stakes

EIGHTH RACE
Belmont
OCTOBER 11, 1981

1 1/4 MILES. (2.00) 43rd Running **THE BELDAME** (Grade I). Purse \$200,000 added.Fil- lies and Mares, 3-year-olds and upward at weight for age. By subscription of \$500 each, which should accompany the nomination; \$1,500 to pass the entry box, with \$200,000 added The added money and all fees to be divided 60% to the winner, 22% to second, 12% to third and 6% to fourth. Weight for age. 3-year-olds, 118 lbs. Older, 123 lbs. Starters to be named at the closing time of entries. Mrs John E. Cowdin has donated a perpetual cup to be held by the owner of the winner for one year. A permanent trophy will be presented to the owner of the winner and trophies to the winning trainer and jockey and mementoes to the grooms of the first four finishers. Closed with 13 nominations Wednesday, September 23, 1981.

Value of race \$218,500, value to winner \$131,100, seconds \$37,145 each, fourth \$13,110. Mutuel pool \$180,340, OTB pool \$154,050.

Last Raced	Horse	Eqt.	A.	Wt	P	P	1/4	1/2	3/4	1	Str	Fin	Jockey	Odds	\$1
27Sep81 8Bel2	Love Sign	4	123	6	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	12 1/2	17	Shoemaker W	2.30	
27Sep81 8Bel3	DH Jameela	5	123	2	3 1/2	5hd	6 1/2	3 1/2	3 1/2	3 1/2	34	2	Fell J	4.10	
19Sep81 8Bel7	DH Glorious Song	5	123	4	7	3hd	21	24	21 1/2	25 1/2	25 1/2	25 1/2	Velasquez J	1.70	
27Sep81 8Bel4	Discorama	3	118	3	41	61	5 1/2	4 1/2	4 1/2	44	45	45	Hernandez R	15.70	
10ct81 1Bel1	Anti Lib	3	118	5	6 1/2	41	3 1/2	65	52	510	52	510	Vasquez J	17.20	
18Sep81 6Med1	Prismatical	3	118	1	22	2 1/2	42	5 1/2	66	62 1/2	66	62 1/2	Cordero A Jr	4.80	
26Sep81 8Key7	Real Prize	3	118	7	5 1/2	7	7	7	7	7	7	7	Maple E	25.10	

~~DH~~—Dead heat.

OFF AT 5:14 EDT. Start good, Won ridden out. Time, :24 2/5, :48 2/5, 1:12 1/5, 1:37, 2:01 1/5 Track fast.

\$2 Mutuel Prices:

7-(G)-LOVE SIGN 6.60 2.60 2.40
2-(B)-~~DH~~JAMEELA 2.40 2.80
4-(D)-~~DH~~GLORIOUS SONG 2.20 3.00

Ch. g, by **Exclusive Native**—Courtly Dee, by Never Bend. Trainer Watters Sidney Jr. Bred by Eaton Farm Inc & Red Bull Stable (Ky).

Owners— 1, Clark S C Jr; 2, Miron Julie; 3, Dogwood Stable; 4, Gasparri R P; 5, Federico J; 6, Hellston Stable; 7, Wildenstein Stable.

Trainers— 1, Watters Sidney Jr; 2, Fernandez Floreano; 3, Alexander Frank A; 4, Morgan Victor; 5, DeStasio Richard T; 6, Johnson Philip G; 7, Penna Angel.

Scratched—Winter's Tale (1Aug81 8Sar²).

Charles H. Strub Stakes

EIGHTH RACE
Santa Anita
FEBRUARY 4, 1979

1 ¼ MILES. (1.58%) 17th Running CHARLES H STRUB STAKES. \$200,000 Added. (Grade I). 4-year-olds. (Foals of 1975). By subscription of \$100 each, to accompany the nomination; \$500 to pass the entry box and \$2,000 additional to start; with \$200,000 added, of which \$40,000 to second, \$30,000 to third, \$15,000 to fourth and \$5,000 to fifth. Supplementary nominations made by Tuesday, January 30, by payment of \$7,500. Weight, 114

lbs.; with 1 lb. additional for each total of \$40,000 in accumulated first monies won as a three-year-old and four-year-old to \$160,000; then 1 lb. additional for each accumulated total of \$50,000 in first monies won to \$360,000; then 1 lbs. for each additional accumulated total of \$60,000 to \$600,000. Winners of \$300,000 or more as two-year-olds to carry no less than 120 lbs., regardless of later winnings. Starters to be named through the entry box by the closing time of entries. A trophy will be presented to the owner of the winner. CLOSED FRIDAY, DECEMBER 1, 1978 WITH 91 NOMINATIONS. SUPPLEMENTARY NOMINATIONS CLOSE TUESDAY, JANUARY 30, 1979.

TIONS CLOSE TUESDAY, JANUARY 30, 1979. ONE MILE AND ONE-QUARTER.

Value of race \$232,500, value to winner \$142,500, second \$40,000, third \$30,000, fourth \$15,000, fifth \$5,000. Mutuel pool \$923,079.

Last Raced	Horse	Eqt.	A.Wt	PP	¼	½	¾	1	Str	Fin	Jockey	Odds \$1
20Jan79 8SA2	Affirmed	4	126	8	21	31½	32	11	12	110	Pincay L Jr	.90
21Jan79 8SA5	Johnny's Image	4	115	4	3hd	2hd	2½	24	25	24	Hawley S	13.90
20Jan79 8SA5	Quip	4	115	5	61	5½	5½	55	32	37	Cordero A Jr	79.80
18Jan79 5SA1	El Fantastico	b	4	114	2	7hd	84	8½	72	52	43 Shoemaker W	11.10
20Jan79 8SA1	Radar Ahead	4	120	7	42	44	45	42	42	5hd	McHargue D G	1.50
27Jan79 5SA1	Thin Slice	4	114	9	9	9	9	8½	7½	61	Maple E	53.50
20Jan79 8SA4	Noble Bronze	b	4	116	3	83	6hd	6hd	6½	62	75 Toro F	13.30
20Jan79 8SA6	Syncopate	4	115	1	52	73½	74	9	8½	88	Pierce D	87.40
24Jan79 5SA1	Quilligan Quail	b	4	114	6	11½	11	1½	3hd	9	9 McCarron C J	56.70

OFF AT 4:38 PST. Start good for all but RADAR AHEAD, Won handily. Time, :23, :47, 1:10½, 1:35½, 2:01 Track good.

\$2 Mutuel Prices:

10-AFFIRMED	3.80	3.20	3.40
4-JOHNNY'S IMAGE		7.40	4.80
5-QUIP			9.80

Ch. c, by Exclusive Native—Won't Tell You, by Crafty Admiral. Trainer Barrera Lazaro S. Bred by Harbor View Farm (Fla).

AFFIRMED broke alertly then showed his speed nearing the first turn to prompt the pace, raced out in the middle of the track while behind the leader, raced on his own courage to the five sixteenth pole, responded to some left handed urging while disposing of JOHNNY'S IMAGE and drew away in the final furlong. JOHNNY'S IMAGE broke in stride to show speed, forced the pace on the rail, continued inside to battle the winner to the stretch then could not match strides thereafter. QUIP outrun early, kept to his task to improve his position in the drive. EL FANTASTICO had no early speed. RADAR AHEAD broke off balance, moved up behind the winner into the first turn, gave way wide and gradually weakened. NOBLE BRONZE failed to response. SYNCOPATE saved ground for nothing. QUILLIGAN QUAIL set the pace to the half then stopped.

Owners— 1, Harbor View Farm; 2, Tanz Meryl Ann; 3, Tartan Stable; 4, Bradley & Peters; 5, Vail S H; 6, Vanderbilt A G; 7, Breliant W; 8, Elmendorf; 9, Fell & Good & Kessler & Lewis.

Trainers— 1, Barrera Lazaro S; 2, Frankel Robert; 3, Lukas D Wayne; 4, Whittingham Charles; 5, Jones Gary; 6, Burch William; 7, Bucalo John; 8, McAnally Ronald; 9, Alvarez Fernando.

Overweight: Syncopate 1 pound.

Scratched—Little Reb (20Jan79 8SA3); Wrangle (20Jan79 9SA4).

Expected Return per Dollar Bet

You now have good evidence that horses underbet to place and show may be outstanding bets. What you really need to know is how good they really are and how to compare various possible bets. You will learn that the payoffs do not have to be as good as most of those shown previously. Indeed, each day there will be two to four such Dr. Z system bets at a typical track.

Let us now evaluate horses on the basis of their expected return per dollar bet. This is the average return you would expect if this or similar bets were made many times. For example, suppose the dollar bet can return either \$2.00, \$1.50, or nothing. If the probabilities of these payoffs are 0.4, 0.3, and 0.3, respectively, then the expected return is

$$0.4(\$2.00) + 0.3(\$1.50) + 0.3(\$0) = \$1.25.$$

So, on average, you would expect to make 25¢ per dollar bet, or a 25% profit. Of course, in any particular race you will receive either \$2.00, \$1.50, or nothing, so that even though, on average, you make 25% on such bets, you still can lose. However, as you make more and more similar bets, the chance of being behind is less and less. For example, with one race the chance of being behind is 30% —losing the race. With two races it is 27% —losing both races, $(0.3)(0.3)$; plus losing the first race and winning the small prize in the second race, also $(0.3)(0.3)$; and winning the small prize in the first race and losing the second race, also $(0.3)(0.3)$. With three races you have to lose at least two of the three races to be behind, so the probability of being behind drops to 21.6%. With eight races, the probability of being behind is 18.3%; after twenty races it is 9.3%; fifty races, 1.83%; and only 0.15% after one hundred races. Generally, then, if you have a sequence of profitable wagers you will come out ahead as long as the wagers are not too risky and you bet appropriate amounts.

Determining When There Is an Inefficiency in the Betting Pools and Thus a Good Opportunity to Bet

To calculate the exact expected value of a dollar bet to place or show on a particular horse requires that we know (1) the probability of all possible in-the-money finishes and (2) the place or show payoff in each case. This we do in our computer model.* For actual use this is too cumbersome, as there can be more than one hundred possible in-the-money finishes. Instead, we utilize simple approximate formulas that require only two sets of figures: the amounts bet to place or show on the horse in question and the total pools. The expected value per dollar bet to place is

$$\text{EX Place} = 0.319 + 0.559 \frac{W_i/W}{P_i/P}, \quad (4.3)$$

where P_i and W_i are the amounts bet to place and ^{win}show, respectively, on horse i , and P and W are the place and win pools. So with the example on page 40, the expected value per dollar bet to place on horse 1 is

*Those interested in these mathematical details may consult Appendix B. This knowledge is not required for a full understanding of the Dr. Z system. The equations presented in this section and the constants, such as 0.319 and 0.559 in equation (4.3), were first derived by Hausch, Ziemba, and Rubinstein (1981) and Hausch and Ziemba (October 1983).

$$\text{EX Place} = 0.319 + 0.559 \left(\frac{8,293/18,223}{2,560/9,214} \right) = 1.20.$$

Thus, on average, you would expect to make a profit of 20% betting horse 1 to place.

The expected value per dollar bet to show is

$$\text{EX Show} = 0.543 + 0.369 \frac{W_i/W}{S_i/S} \quad (4.4)$$

where S_i is the amount bet on horse i to show out of the total show pool S and W_i and W are as described previously. For the example on page 40, the expected value-per-dollar bet to show on horse 1 is

$$\text{EX Show} = 0.543 + 0.369 \left(\frac{8,293/18,223}{1,570/6,558} \right) = 1.24.$$

So, on average, one would expect to make a profit of 24% betting horse 1.

Figures 4.1 and 4.2 graphically display the place and show expected-value-per-dollar-bet equations (4.3) and (4.4), respectively. To use them read W_i/W on the horizontal axis and P_i/P for place or S_i/S for show on the vertical axis, respectively. The line where the two values intersect gives the expected value per dollar bet. For example, for the show bet on horse 1, $W_1/W = 8,293/18,223 = 0.455$ and $S_1/S = 1,570/6,558 = 0.239$. These numbers intersect on the 1.24 expected-value line.

Formulas for Determining the Expected Value per Dollar Bet *

Formulas (4.3) and (4.4) for computing the expected value per dollar bet to place and show, respectively, were based on a track take of 17.1%. This was the track take at Exhibition Park when these equations were developed.

Other tracks will have different takes, and even at the same track the take will vary over time. For example, at Exhibition Park it is now 16.3%. Hence we need to have equations for the expected value per dollar bet to place and show for any track take. They are

$$\text{EX Place} = 0.319 + 0.559 \frac{W_i/W}{P_i/P} + \left(2.22 - 1.29 \frac{W_i}{W} \right) (Q - 0.829) \quad (4.5)$$

Note: This is expected return. To get expected gain just subtract 1 from RHS

EX Show = 0.543 + 0.369 $\frac{W_i/W}{S_i/S}$ + $\left(3.60 - 2.13 \frac{W_i}{W} \right) (Q - 0.829)$. (4.6)

These equations are just the Exhibition Park equations (4.3) and (4.4) with an adjustment to account for the fact that the track take Q differs from 0.829.

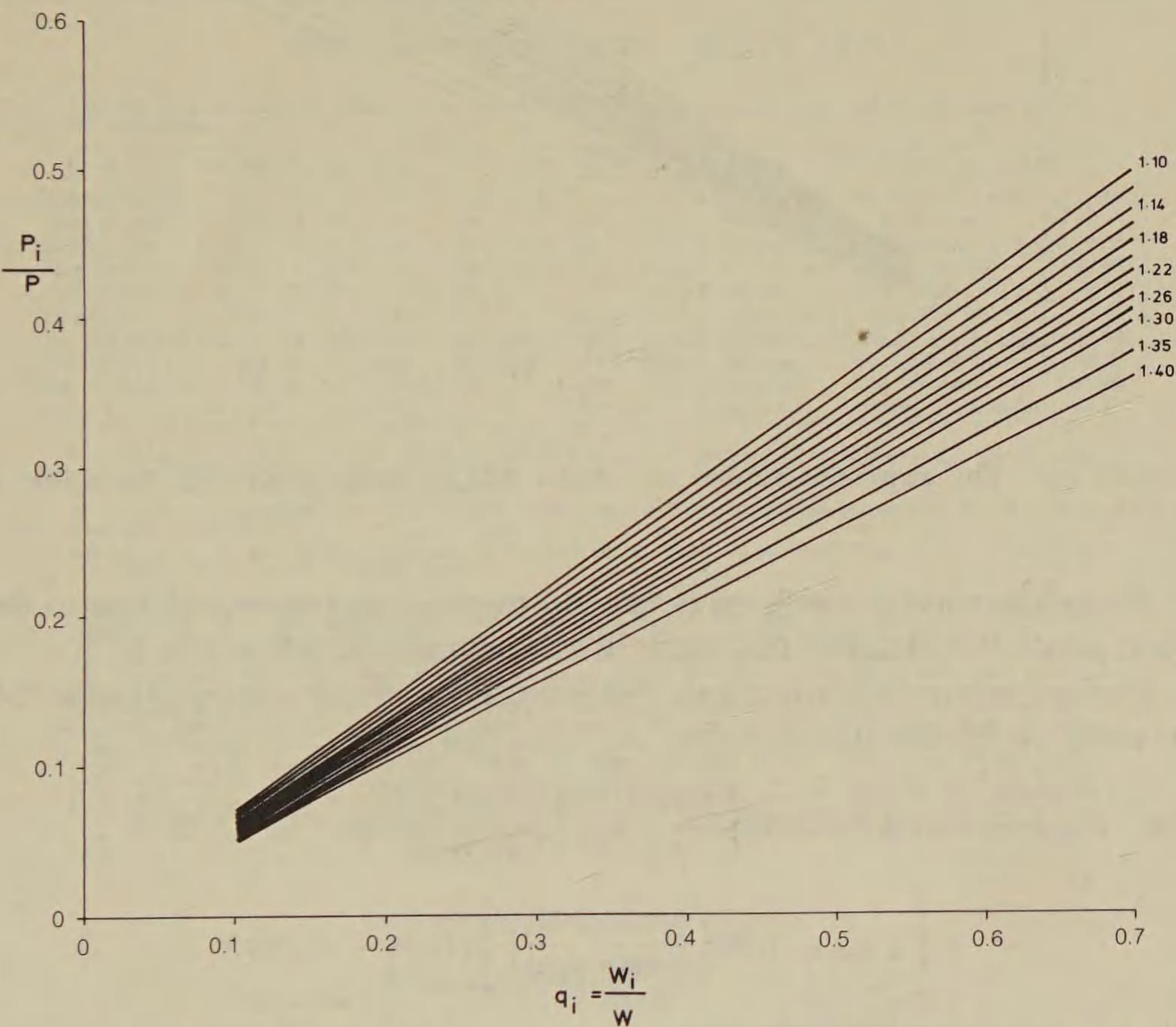


Figure 4.1 The expected return per dollar bet to place when the track take is 17.1%

Let us see how it works on a real race. In the 1979 Kentucky Derby, Spectacular Bid was a 3—5 favorite. At post time the tote board was as follows:

	Totals	#3 Spectacular Bid	Percent of Bet on Spectacular Bid
Odds		3—5	
Win	2,307,288	1,164,220	50.5
Place	949,999	339,277	37.5
Show	749,274	195,419	26.1

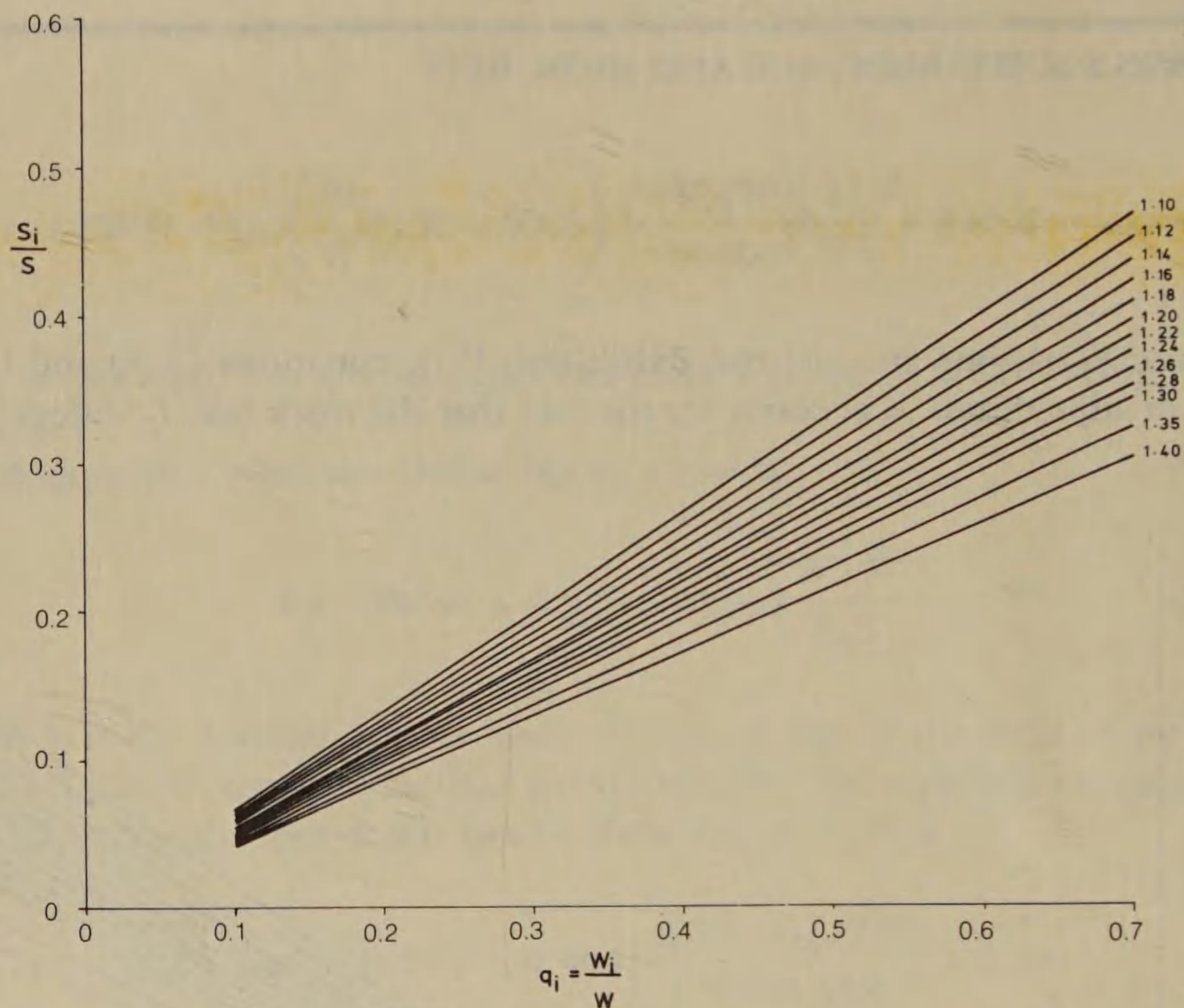


Figure 4.2 The expected return per dollar bet to show when the track take is 17.1%

Much less was bet on Spectacular Bid to place and show, relative to the total pools, than to win. For show it was only about half as much.

The track take in Kentucky is 15%, so the expected value per dollar bet to place on Spectacular Bid was

$$\begin{aligned}
 \text{EX Place} &= 0.319 + 0.559 \left(\frac{1,164,220/2,307,288}{339,277/949,999} \right) \\
 &\quad + \left[2.22 - 1.29 \left(\frac{1,164,220}{2,307,288} \right) \right] (0.85 - 0.829) \\
 &\quad + 1.10 + 0.03 \\
 &= 1.13.
 \end{aligned}$$

So the expected value was 1.13, or a 13% profit, on average, per dollar bet. The correction amounts to 3%.

For show the expected value per dollar bet was

$$\begin{aligned}
 \text{EX Show} &= 0.543 + 0.369 \left(\frac{1,164,220/2,307,288}{195,419/749,274} \right) \\
 &\quad + \left[3.60 - 2.13 \left(\frac{1,164,220}{2,307,288} \right) \right] (0.85 - 0.829) \\
 &= 1.26 + 0.05 \\
 &= 1.31.
 \end{aligned}$$

The expected value of 1.31 to show on Spectacular Bid thus represented an average profit of 31%. The correction amounts to 5%.

Figures similar to Figures 4.1 and 4.2 for the calculation of the expected value per dollar bet to place and show using equations (4.5) and (4.6), respectively, appear in Chapter Five. They are set up there to indicate simply *bet* or *do not bet* in any particular possible betting situation.

The chart of the race was as follows:

105th Kentucky Derby, May 5, 1979

\$317,400 gross value and \$18,000 Gold Cup. Net to winner \$228,650; second \$50,000; third \$25,000; fourth \$13,750. 299 nominations.

Horse	Eqt	Wt	PP	¼	½	¾	1	Str	Fin	Jockeys	Owners	Odds to \$1
Spectacular Bid	. .	126	3	7 ²	6 ^h	4½	2½	1½	12¾	R. J. Franklin	Hawksworth Farm	.60
General Assembly		126	6	1 ^h	2 ^s	2 ^h	1 ^h	2 ^s	2 ³	L. Pincay Jr.	B. P. Firestone	a-11.10
Golden Act	....	126	1	8½	9 ^h	8 ^h	7 ⁴	3 ^h	3¼	S. Hawley	W. Oldknow-R. Phipps	19.20
King Celebrity	. . .b	125	7	6½	7 ⁴	5½	5 ³	4½	4½	C. B. Asmussen	Che-Bar Stable	112.40
Flying Paster	. . .b	126	9	3 ^h	4 ^h	3 ^h	3 ¹	5 ⁴	5½	D. Pierce	B. J. Ridder	2.20
Screen King	....	126	5	10	8 ¹	7 ⁴	6 ^h	6½	6¾	A. Cordero Jr.	Flying Zee Stable	9.80
Sir Ivor Again	. .	126	8	9 ^h	10	9 ^s	9 ^{1s}	8 ³	7¼	D. MacBeth	Mrs. T. Christopher	a-11.10
Shamgo	.....	126	4	2 ^h	1½	1 ^h	4 ^h	7 ^s	8¼	F. Olivares	Rogers Red Top Inc.	102.20
Lot o' Gold	....	126	10	4 ³	3½	6½	8 ^h	9 ²⁰	9 ^{2s}	D. Brumfield	F. E. Lehmann	50.90
Great Redeemer	.b	126	2	5½	5 ³	10	10	10	10	R. DePass	Mr-Mrs. J. Mohamed	78.70

Time: :24-1/5, :47-2/5, 1:12-2/5, 1:37-3/5, 2:02-2/5. Track fast. Off at 5:39 EDT. Start good. Won driving.

Coupled: a-General Assembly and Sir Ivor Again.

\$2 Mutuels paid—Spectacular Bid \$3.20 straight, \$3.00 place; \$2.80 show; General Assembly \$5.80 place, \$3.40 show; Golden Act \$4.20.

Winner—Gr. c. by Bold Bidder-Spectacular, by Promised Land, trainer G. G. (Bud) Delp; bred in Kentucky by Mrs. William Jason and Mrs. William Gilmore.

SPECTACULAR BID ducked in slightly leaving the gate and was settled well off the pace, moved slightly outside on the initial turn, rallied strongly after five-eighths staying well wide to be clear, ranged up outside GENERAL ASSEMBLY with FLYING PASTER inside entering the last turn and was bumped by FLYING PASTER when that one was forced out slightly by GENERAL ASSEMBLY. He responded when roused righthanded leaving the last turn, moved clear nearing the eighth pole but was roused steadily five times left-handed to draw out. GENERAL ASSEMBLY sprinted up on the pace between rivals entering the first turn, shook off SHAMGO and continued gamely when joined by SPECTACULAR BID and FLYING PASTER. He drifted out slightly entering the last turn and gradually gave way. GOLDEN ACT brushed by GREAT REDEEMER leaving the gate, stayed inside to commence his bid after a mile and finished with good courage. KING CELEBRITY moved boldly to the pace inside but was blocked with a half mile left, got clear between rivals entering the stretch and hung. FLYING PASTER broke sharply, rallied inside SPECTACULAR BID and was floated by GENERAL ASSEMBLY entering the last turn and weakened. SCREEN KING pinched back at start, moved widest to launch his bid after 6 furlongs and had nothing left. SIR IVOR AGAIN could only pass tiring rivals. SHAMGO sprinted to the pace inside, maintained a slight advantage for three-quarters of a mile and tired. LOT o' GOLD stayed in striking position for a half, then retired. GREAT REDEEMER stopped badly.

THE WINNER'S PEDIGREE AND CAREER HIGHLIGHTS

SPECTACULAR
BID
(Gray Colt)

Bold Bidder

Spectacular

Bold Ruler

High Bid

Promised Land

Stop On Red

*Nasrullah

Miss Disco

To Market

Stepping Stone

Palestinian

Mahmoudess

To Market

Danger Ahead

Year	Age	Sts	1st	2nd	3rd	Won
1978	2	9	7	1	0	\$ 384,484
1979	3	12	10	1	1	1,279,183
1980	4	9	9	0	0	1,117,790
TOTAL		30	26	2	1	\$2,781,607

At 2 Years

WON

2ND

Worl 's Playground, Champagne, Young America, Laurel Futurity, Heritage Dover Stakes

At 3 Years

WON

2ND

3RD

Kentucky Derby, Preakness Stakes, Flamingo, Blue Grass, Florida Derby, Hutcheson, Fountain of Youth, Marlboro Cup. Jockey Club Gold Cup Belmont Stakes

At 4 Years

WON

Malibu, San Fernando, Charles H. Strub, Santa Anita Handicap, Mervyn Leroy Handicap, California Stakes, Washington Park Stakes, Amory Haskell, *Woodward Stakes. *Walkover.

Only time Spectacular Bid was out of the money was in the 1978 Tyro Stakes when he finished fourth.

Spectacular Bid won the race easily and paid \$3.20 to win, \$3.00 to place, and \$2.80 to show. The bet to place was excellent. The bet to show was fantastic. To get \$2.80 to show with a 3—5 shot when the second favorite is 2.20—1 and the next best rated horse is 9.8—1 is a bettor's dream.

With 1.13 as the expected value to place and 1.33 to show, you would expect to receive \$2.26 and \$2.66 on average, respectively. The actual payoff when you win, of course, must be higher to compensate for the times you lose. In this case the payoffs were even higher because the second favorite, Flying Pastor, finished out of the money.

If there is a coupled entry one other correction is needed in the calculation of the expected value per dollar bet to place or show. Occasionally two or three horses are run as a single coupled entry, or simply entry, because an owner or trainer enters these horses in the same race, or there are more horses than the tote board can accommodate. The latter case is usually called a field. In the Kentucky Derby, with up to twenty starters and twelve totalizator positions, the field can contain as many as nine horses. The entry wins, places, or shows if any one of the horses wins, places, or shows. If the horses in the entry come first and second, all the place pool goes to the place tickets on the entry. If two of the three in-the-money horses are the entry then two-thirds of the show pool profits goes to the holders of tickets on the entry rather than the usual third.* Finally, the entry gets all the show pool money if the entry has three horses and they finish one-two-three. Hence you have an advantage betting on an entry. To correct for this, equations (4.5) and (4.6) for expected value per dollar bets to place and show, respectively, are modified as follows:

$$\begin{aligned}
 \text{EX Place} = & \underbrace{0.319 + 0.559 \frac{W_i/W}{P_i/P}}_{\text{Ordinary expected value}} + \underbrace{\left(2.22 - 1.29 \frac{W_i}{W} \right)}_{\text{Correction for track-take departures from 17.1\%}} (Q - 0.829) \\
 & + \underbrace{0.867 \frac{W_i}{W} - 0.857 \frac{P_i}{P}}_{\text{Correction because the bet is on an entry}}
 \end{aligned} \tag{4.7}$$

*This is the usual split. However, at some tracks the split is 50-50, so every betting opportunity gets the same portion of the profit.

EX Show = 0.543 + 0.369 $\frac{W_i/W}{S_i/S}$ + $\left(3.60 - 2.13 \frac{W_i}{W} \right) (Q - 0.829)$

Ordinary expected value Corrections for track-take departures from 17.1%

+ 0.842 $\frac{W_i}{W}$ - 0.810 $\frac{S_i}{S}$ (4.8)

Correction because the bet is on an entry

We illustrate the use of these formulas with the following race. Suppose 1 is the entry of horse 1 and horse 1A, that there are six other starters, and that the tote board at post time is as follows:

	Horse							
	#1	#2	#3	#4	#5	#6	#7	Totals
Odds	2—1	10—1	5—2	8—1	4—1	14—1	4—1	
Win	6,772	2,054	6,021	2,521	4,426	1,517	4,222	27,533
Place	2,825	1,274	3,392	1,591	3,123	1,098	3,123	16,335
Show	1,632	744	1,740	835	1,782	600	2,398	9,731

Suppose that the track take is 16%, so $Q = 0.84$, and that we have 10¢ breakage. The expected return per dollar bet to place using equation (4.7) is then

EX Place = 0.319 + 0.559 $\left(\frac{6,772/27,533}{2,825/16,335} \right)$

Ordinary expected value

+ $\left[(2.216 - 1.288) \left(\frac{6,772}{27,533} \right) \right] (0.84 - 0.829)$

Correction for track-take departures from 17.1%

+ 0.867 $\left(\frac{6,772}{27,533} \right)$ - 0.857 $\left(\frac{2,825}{16,335} \right)$

Coupled-entry correction

= 1.114 + 0.021 + 0.065 = 1.20.

Thus the track-take correction is 0.021 and the coupled-entry correction is 0.065. This 0.086 added to the ordinary expected value makes the expected value per dollar bet on the 1-1A entry 1.20, which, as we will see in Chapter Five, would qualify it as a Dr. Z system bet. One would then expect to make 20% profit, on average, by betting on horse 1.

Similarly, the expected return per dollar to show using equation (4.8) is

$$\begin{aligned} \text{EX Show} &= \underbrace{0.543 + 0.369 \left(\frac{6,772/27,533}{1,632/9,731} \right)}_{\text{Ordinary expected value}} \\ &\quad + \underbrace{\left[3.60 - 2.13 \left(\frac{6,772}{27,533} \right) \right] (0.84 - 0.829)}_{\text{Track-take correction}} \\ &\quad + \underbrace{0.842 \left(\frac{6,772}{27,533} \right) - 0.810 \left(\frac{1,632}{9,731} \right)}_{\text{Coupled-entry correction}} \\ &= 1.084 + 0.034 + 0.071 = 1.19. \end{aligned}$$

Thus the track-take correction is 0.034 and the coupled-entry correction is 0.071. The correction of 0.105 makes the expected value per dollar bet on the entry of horse 1-1A equal to 1.19. This would give an average profit of 19% and qualify it as a Dr. Z system bet to show.

Hence the entry of 1-1A is a good bet to place and to show. The actual payoff depends upon whether or not 1 or 1A, or both, are in the money and the amounts bet on the other horse or horses that also finish in the money.

For example, if the finish is 1-5-3 then the payoff will be

1	6.80	5.20	3.80
	5	5.00	3.60
		3	3.60

In this case, horse 1 at 2—1 receives \$5.20 to place and \$3.80 to show, which is slightly more than the payoffs on either horse 5 at 4—1 or horse 3 at 5—2. The computation of these payoffs is analogous to those given earlier in this chapter.

If 1 and 1A both finish in the money then the show payoff increases because 1-1A get two-thirds of the show profit rather than one-third. With a finish of 1-5-1A the payoffs will be

1	6.80	5.20	5.80
	5	5.00	3.60
		1A	5.80

The payoffs for horse 5 to place and show remain the same, as does the place payoff for horse 1. However, the show payoff on horse 1 now becomes \$5.80 instead of \$3.80, exceeding the place payoff.

If the finish is 1-1A-5, the payoffs will be

1	6.80	9.60	5.80
	1A	9.60	5.80
		5	3.60

The show profits remain the same on horses 1 and 5, since it is the total amounts bet and not the order of the finish that matters. However, horse 1 now gets the entire place profit and the payoff becomes \$9.60, which exceeds the win payoff of \$6.80. This is not surprising, because the expected value per dollar bet on horse 1 to win is simply the track payback of 0.86, while the expected return per dollar bet on 1 to place is 1.20. Thus with the favorable outcome of 1 winning and 1A coming in second, the place payoff exceeds the win payoff.

To summarize, equations (4.3) and (4.4) will give you the expected value per dollar bet to place and show, respectively, when the track take is 17.1% or close to this. When the track take differs from 17.1%, equations (4.5) and (4.6) will give you the place and show expected returns, respectively. These equations are the ones you will use most of the time. Figures 5.7–5.10 in Chapter Five provide a shorthand way to determine whether or not a given horse is a Dr. Z system bet or not.

On occasion there will be an entry that is a possible Dr. Z system bet. In this case you need to use equations (4.7) and (4.8) to compute the expected value per dollar bet to place and show, respectively. We have assumed that the entry contains exactly two horses and that there is no other entry. Our calculations indicate that there is generally little change in the expected

value when there are three or more horses in the entry or when you are betting on some horse, be it an entry or a single horse, and there is another entry in the race. Generally, the expected value rises slightly when you have an entry of three or more horses rather than just two horses. Similarly, the expected value generally falls slightly when an entry is present and you are not betting on it. Our recommendation is that you keep these matters in mind but simply use equations (4.7) and (4.8). They will give you quite accurate estimates of the true expected value to place and show, respectively.

Now that we have discussed how you can calculate the expected value per dollar bet to place and show on possible Dr. Z system bets, we can turn to the question of how much you should bet and provide further details about the Dr. Z system.

CHAPTER 5

How Much Should You Bet?



Why You Need to Have a Good Money Management System

We know from our discussion in Chapter Four that there are situations where bets can be made to place and show that have expected value in the range 1.15–1.30 or higher. Thus, on average, we expect our profit rates to be 15%–30% or higher. We also know that if we do not bet too much, we can be reasonably sure of being ahead with such bets when they are placed over a fairly long period of time. But how much should we bet?

We can compare various betting systems by seeing how they measure up against several reasonable criteria. Four such criteria are: (1) How much does it gain on average? (2) How fast does it accumulate profits? (3) How long does it take to reach a specified goal of a specific amount of profit? (4) How risky is the system—are you taking a big chance of losing most or all of your betting fortune at one blow?

Despite its reasonableness, the first criterion will not help us separate the good systems from the bad ones. The reason is that all betting systems have the same expected profit per dollar wagered—assuming our bets do not influence the odds, which is the case unless our bets get very large. We need to focus on the other three criteria.

To get an idea of what constitutes a good system let's look at some possible betting strategies. In the *Martingale*, or *doubling-up*, system you begin with a bet, say \$1, and bet \$1 again if the bet is won, but bet \$2 if it is lost. If you lose again, you bet \$4, then \$8, \$16, and so on. The idea is to have

a good chance of making the \$1 profit on each sequence of bets. Let's see how it works.

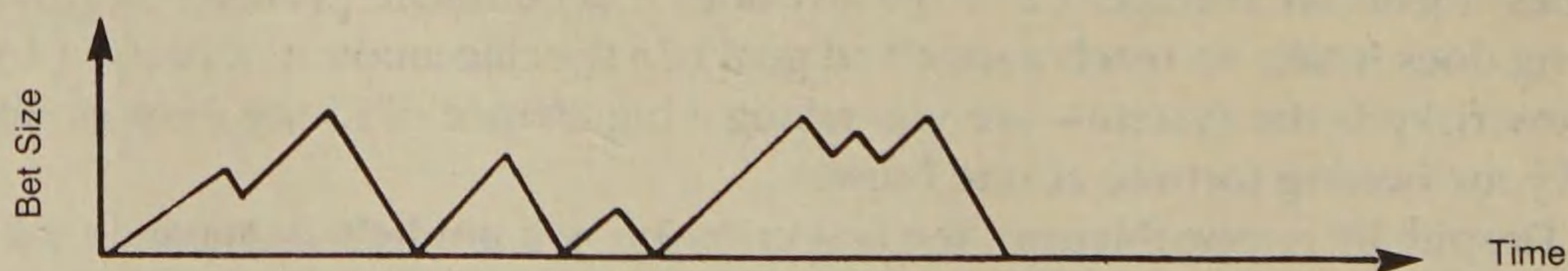
Win	Win	Loss	Win	Total	Loss	Loss	Loss	Win	Total
+1	+1	-1	+2	+1	-1	-2	-4	+8	+1

So in these cases, \$1 is won on each sequence of bets. Trouble arises when you get a sequence like the following:

Loss	Loss	Loss	Loss	Loss	Loss	Loss	Loss	Total
-1	-2	-4	-8	-16	-32	-64	-128	-255

In this case you need to start betting huge sums just to win the \$1. You may run out of money first. It may also be difficult to bet so much; suppose your \$1's are really \$100 bets. Moreover, in the context of horse racing, large bets can greatly influence the odds. With a high bet one simply gets poorer odds. A situation with a good expected value will become less favorable and possibly even unfavorable with a large bet. Betting along the Martingale lines leads to a number of wins of \$1 and then a huge loss. Let's put aside this and all other doubling-up strategies. Doubling up after wins is just as bad.

In *pyramid* systems, also known as *d'Alembert* or *progression* systems, you up the bet with a win and decrease it with a loss. For example, you can bet \$5 per race and add or subtract \$1 with a win or a loss, respectively. The idea is to bet more when you are winning and less when you are losing. The amount of the bet looks like a sequence of pyramids, such as the following:



Of course, you can invert this system and bet more when you are losing, so you get a sequence of inverted pyramids or an upside-down image of the preceding graph. Again, these betting systems are arbitrary. They do not consider how good the bet is. We certainly want to bet more when the bet is more attractive. We also want to take into account the fact that as our bet becomes larger, the very act of placing such a bet lowers the worth of the bet, since the odds become less favorable.

None of these systems offers what we want: a good way to make our betting resources grow at a fast rate with low risk, while taking into account the facts that (1) we would like to bet more when the bet, not our previous wins or losses, is more favorable and (2) the size of our bet will influence the odds.

There are several possible systems that we might employ that have such desirable properties.* The basic trade-off is growth versus risk. We can look for the most conservative system, the one with the least risk of losing our betting fortune that still provides modest growth in that fortune. Alternatively, we might strive for a strategy with the largest growth rate. It will be more risky, but in the long run we most likely will have a much higher fortune. We will take the latter route and utilize the Kelly criterion betting system.

Using the Kelly Criterion to Maximize the Long-Run Growth of Your Betting Fortune

John L. Kelly, Jr. was an engineer with the Bell Telephone Company in 1956 when he discovered the betting system that carries his name. His main interest was efficient transmission of electrical signals. Little did he know that his discovery would make him world famous because of its use as the basis of a superb way to invest in securities and to gamble in games like blackjack and horse racing.†

The criterion is simple: Go for the gold! More specifically, the Kelly criterion is to invest so that *the long-run rate of growth of your betting fortune is the highest possible*.

How does it stack up against our three remaining reasonable criteria for evaluating possible betting systems: (1) How fast does it accumulate profits? (2) How long does it take to reach a specified goal of some designated amount of profit? and (3) How risky is the system—are you taking a big

*Those with mathematical backgrounds who would like to delve deeper into this topic might consult Epstein (1977).

†Those who would like to read more on the Kelly criterion might consult the papers by Breiman, Hakansson, and Thorp in Ziemba and Vickson (1975), as well as those by Bell and Cover (1980), Ethier and Tavaré (1983), Finkelstein and Whitley (1981), Friedman (1981), Griffin (1983), and McLean, Ziemba, and Blazenko (1983). Thorp (1975) is especially lucid. These papers are highly mathematical. Although Kelly has received most of the credit, it was Breiman who really showed how attractive the Kelly criterion was around 1960. Thorp and others have used it to develop successful investment strategies. The discussion in this section contains the properties of the Kelly criterion pertinent to the Dr. Z system.

chance of losing most or all of your betting fortune? Very well, indeed! Since it is based on the first criterion, it accumulates profits faster than any other system. Indeed, it has been proved mathematically that the Kelly criterion has the following property:

Suppose two people are wagering on the outcome of the same series of favorable betting opportunities; one uses the Kelly criterion and the other uses an essentially different betting strategy. Then the ratio of the Kelly bettor's fortune to that of the other bettor's fortune becomes increasingly large as time goes on, with higher and higher probability. After a long time the Kelly bettor will have infinitely more wealth than the other bettor with a probability approaching one. In fact, if a Kelly bettor at the racetrack also has access to fair casino bets, he is more likely to be ahead even after the first bet.

The Kelly betting system is also the best-possible wagering system in terms of the second criterion of reaching a specified goal as soon as possible. It has the following property:

Suppose that a bettor is wagering on the outcome of a sequence of favorable betting opportunities and that he or she has a goal of reaching a fortune of $\$M$ as soon as possible. By betting according to the Kelly criterion, his or her expected time to reach M will be lower than with any other betting system, provided that M is sufficiently large.

Our third criterion is safety. What is the chance of losing all or a major portion of your betting fortune? Since the Kelly criterion is based on growth, it is riskier than some other possible betting systems. However, an adjustment of the Kelly betting amount can be made to make the system as safe as desired. We can make a trade and accept less growth in return for more security. We can do this by adopting a fractional Kelly betting system.

Figures 5.1–5.6 illustrate three possible betting situations that mirror what you are likely to encounter with some typical Dr. Z system bets. We suppose that the expected value per dollar bet is 1.20 so that you have a 20% profit on average. Let's consider three possible bets:*

*These examples are merely illustrative. The calculations are made using the methods in MacLean, Ziemba, and Blazenko (1983). However, they typify possible Dr. Z system bets. The betting amounts suggested as a fraction of your betting fortune are accurate for small bets that do not influence the odds too much. For larger fortunes and bets, the optimal wagers are kept down in order to reflect the effect of our bet on the possible payoffs. In actual Dr. Z system bets, the possible payoffs are numerous rather than having just one possible outcome as supposed here. But these simplified cases generate the same conclusions as would the actual bets.

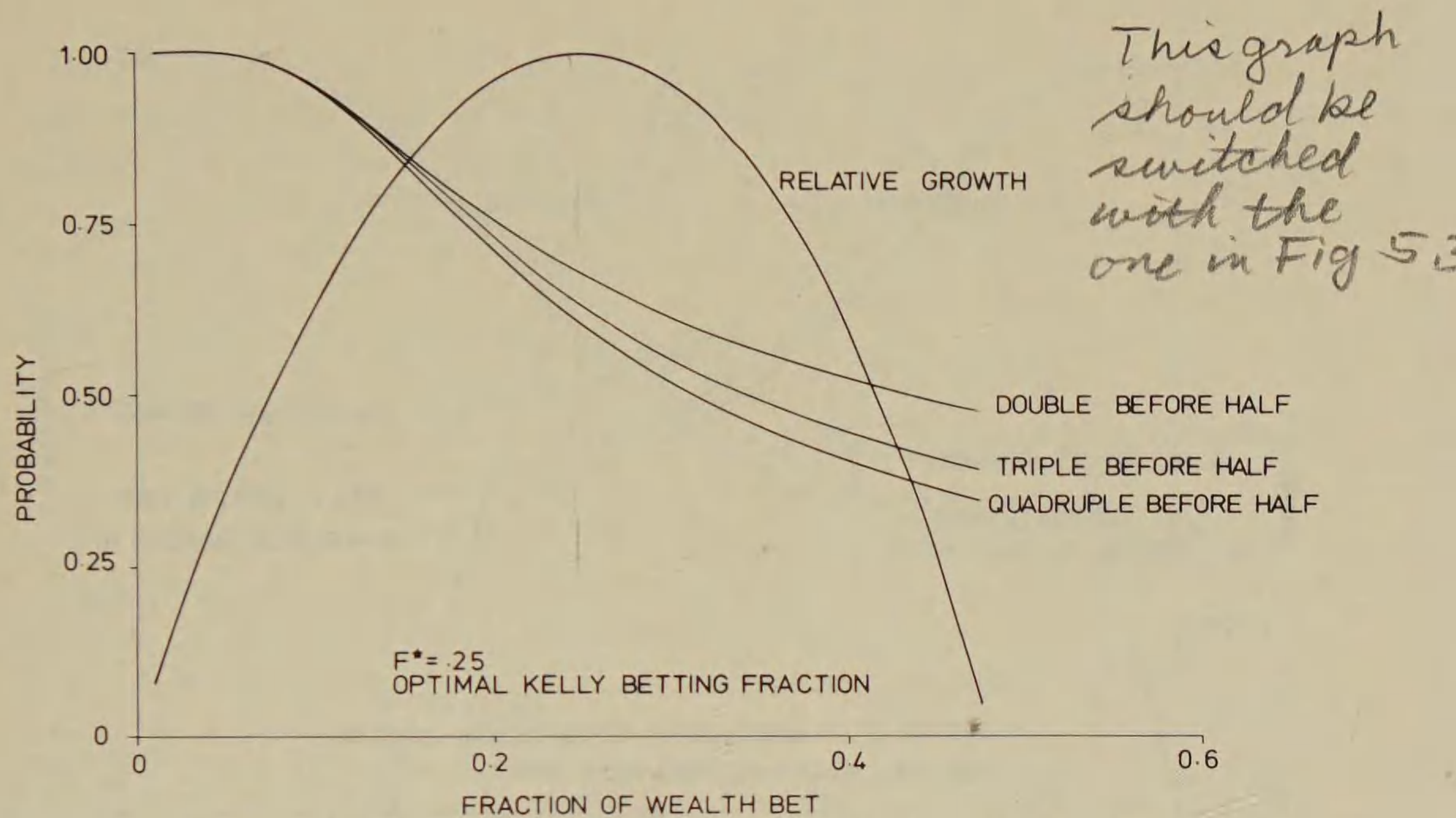


Figure 5.1 Relative growth and probabilities of doubling, tripling, and quadrupling initial wealth for various fractions of wealth bet for the gamble win \$2 with probability 0.4 and lose \$1 with probability 0.6

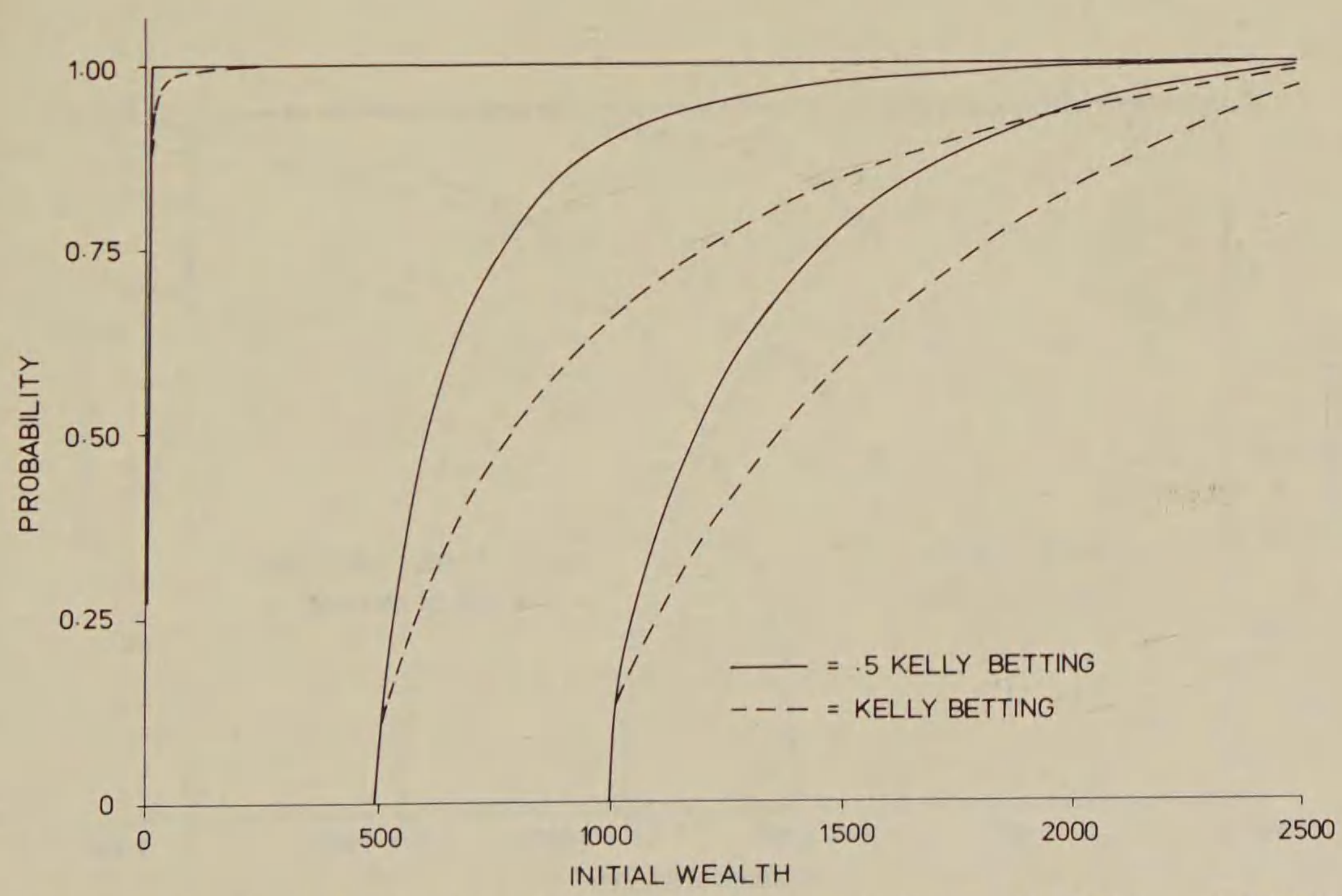


Figure 5.2 Probability of reaching \$2,500 before falling to 0, \$500, and \$1,000 with various initial wealth levels with Kelly and 0.5-Kelly betting strategies for the gamble win \$2 with probability 0.4 and lose \$1 with probability 0.6

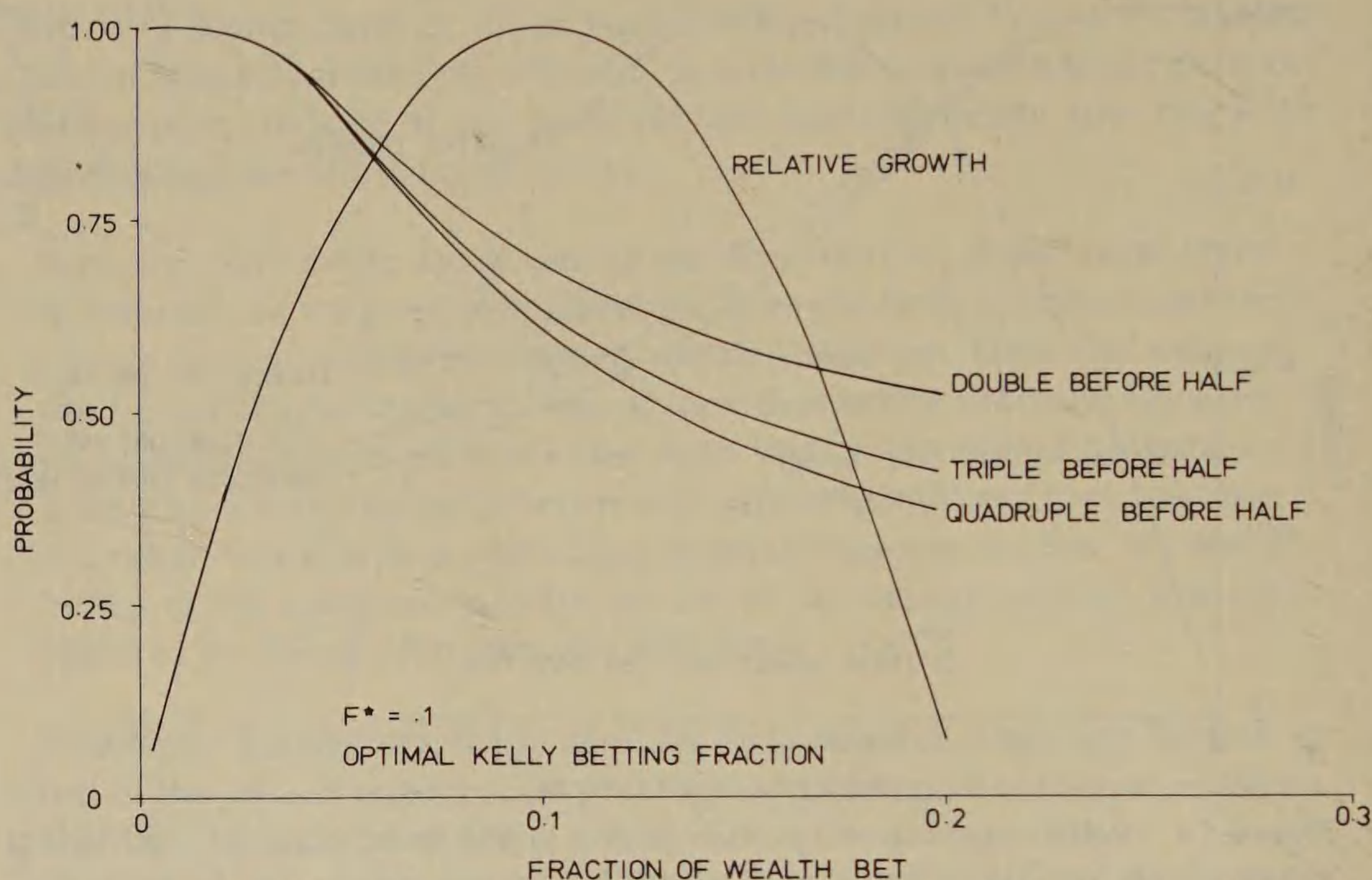


Figure 5.3 Relative growth and probabilities of doubling, tripling, and quadrupling initial wealth for various fractions of wealth bet for the gamble win \$1 with probability 0.625 and lose \$1 with probability 0.375

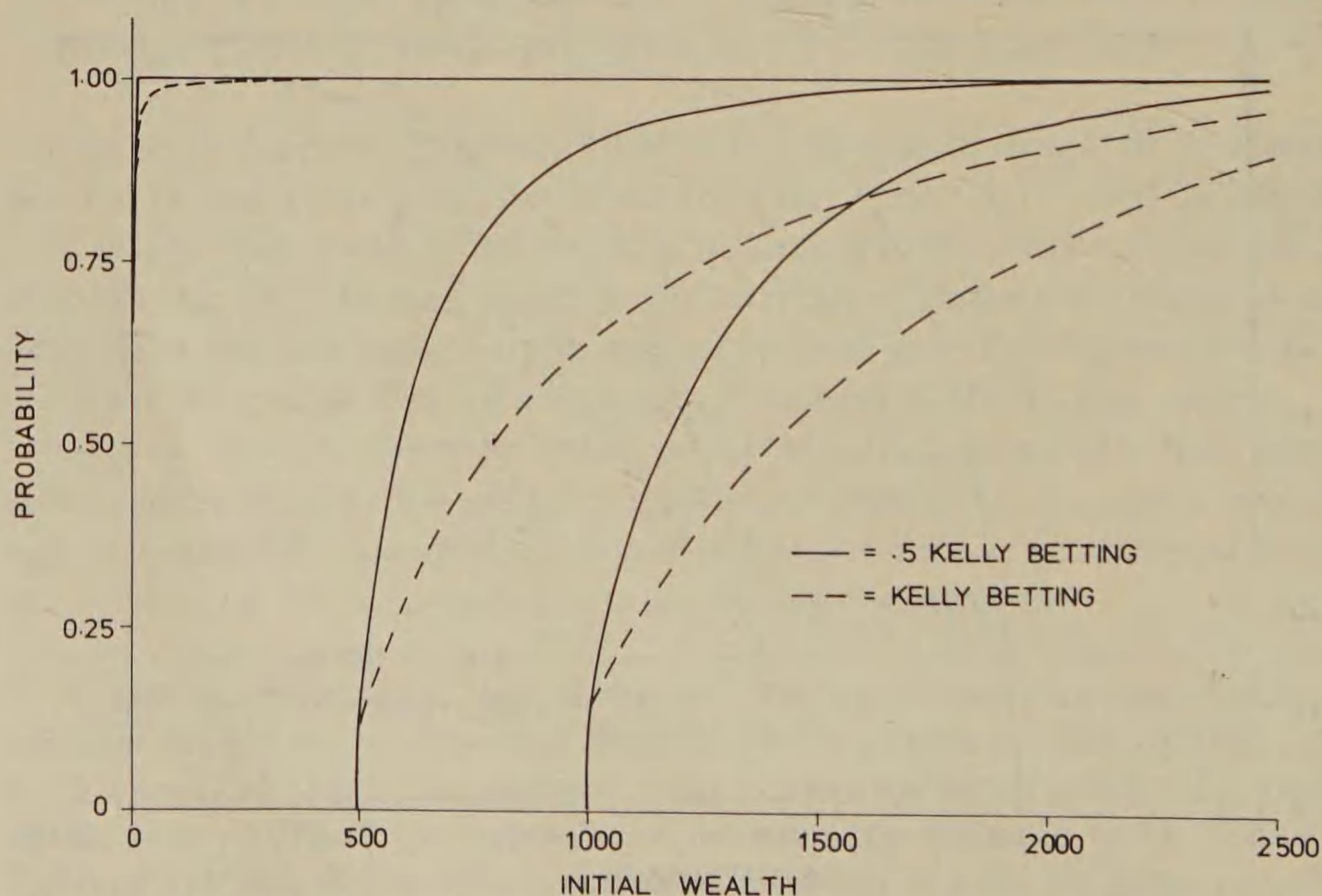


Figure 5.4 Probability of reaching \$2,500 before falling to 0, \$500, and \$1,000 with various initial wealth levels with Kelly and 0.5-Kelly betting strategies for the gamble win \$1 with probability 0.625 and lose \$1 with probability 0.375

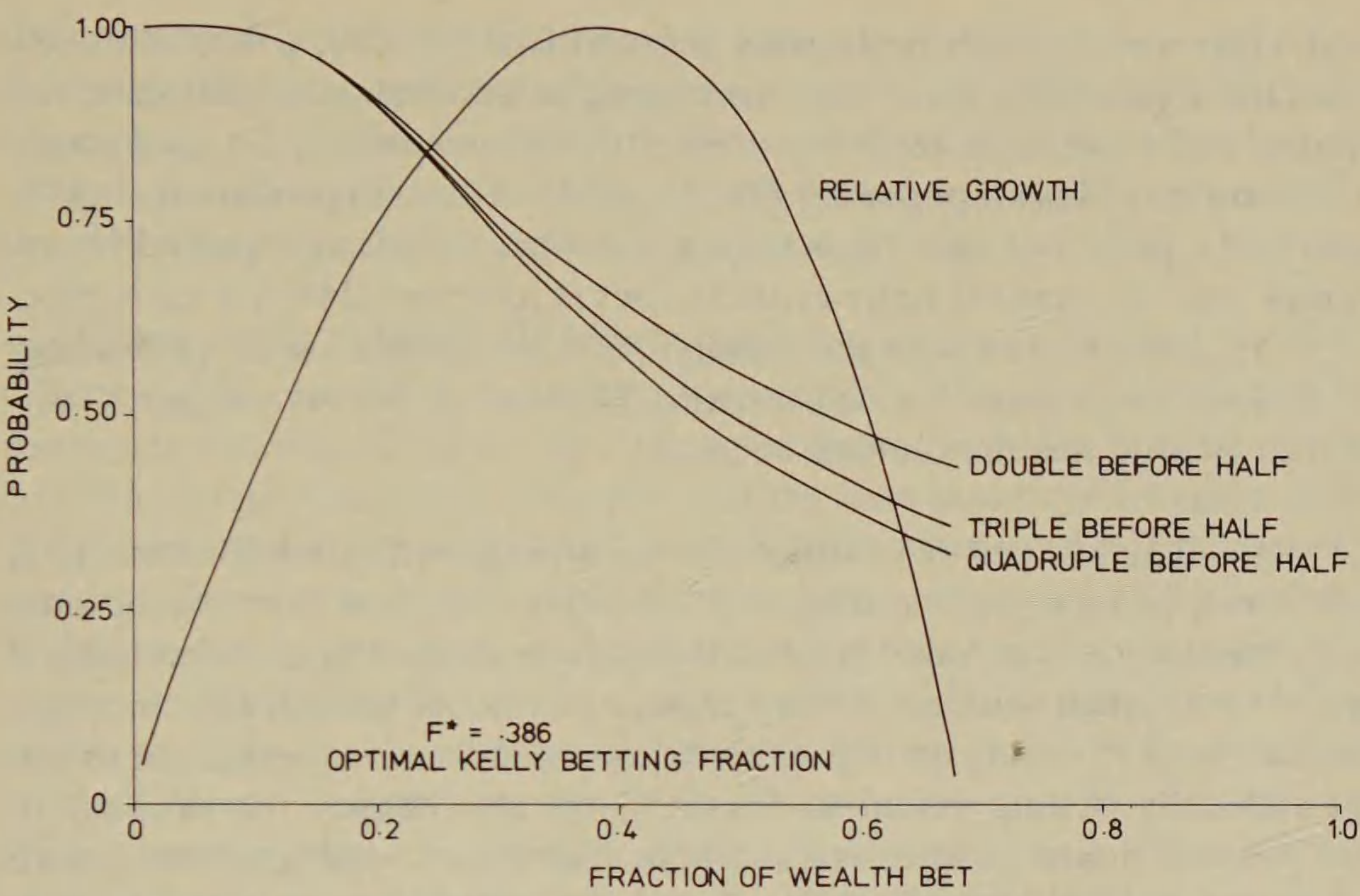


Figure 5.5 Relative growth and probabilities of doubling, tripling, and quadrupling initial wealth for various fractions of wealth bet for the gamble win \$0.594 with probability 0.771 and lose \$1 with probability 0.229

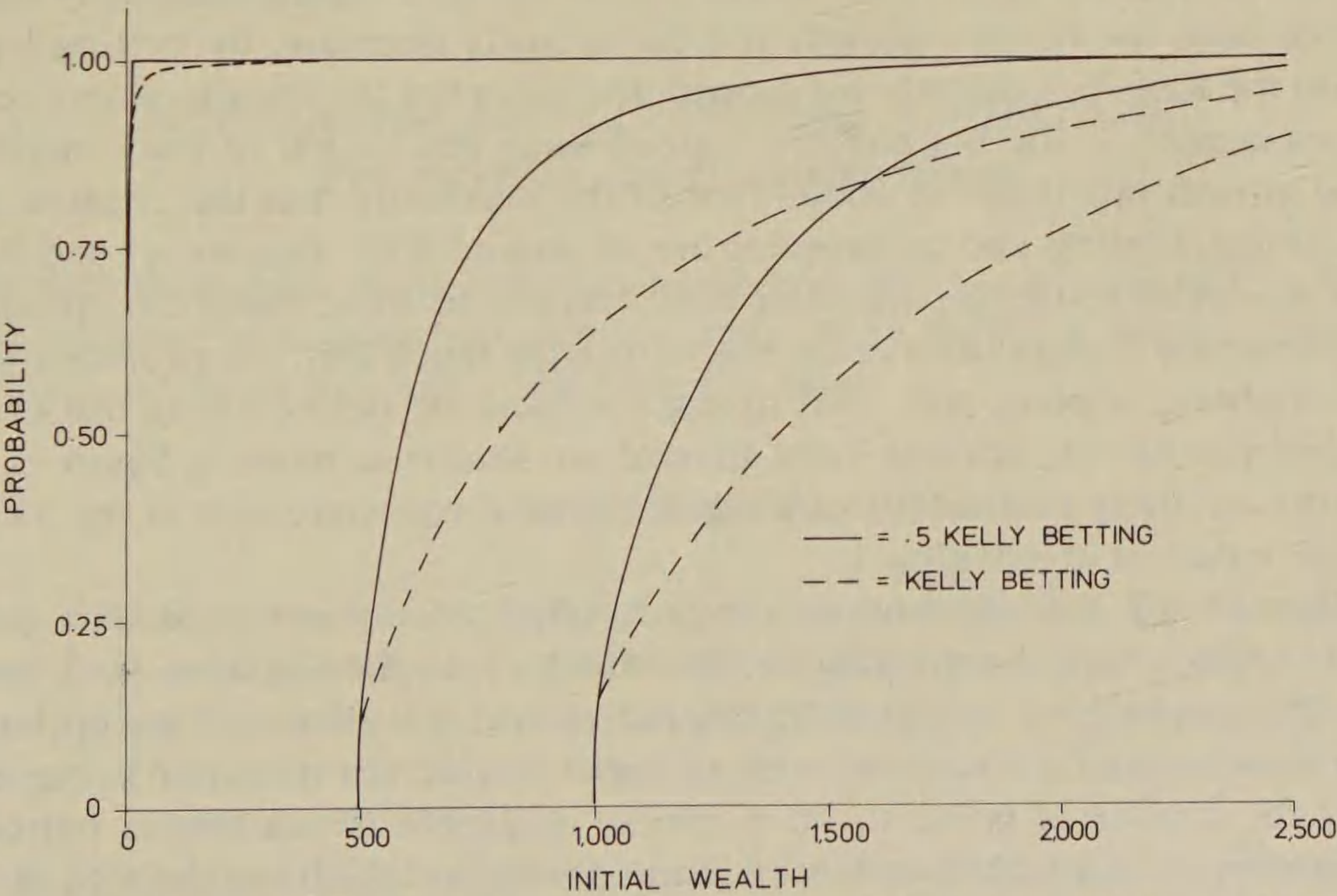


Figure 5.6 Probability of reaching \$2,500 before falling to 0, \$500, and \$1,000 with various initial wealth levels with Kelly and 0.5-Kelly betting strategies for the gamble win \$0.594 with probability 0.771 and lose \$1 with probability 0.229

1. You win \$2 with probability 0.4 and lose \$1 with probability 0.6, assuming a place bet on a reasonably long-priced horse. In this case the optimal Kelly criterion bet is to wager 10% of your money on each race.
2. You win \$1 with probability 0.625 and lose \$1 with probability 0.375, assuming a place bet on a favorite or a show bet on a longer-priced horse. In this case the optimal Kelly criterion bet is to wager 25% on each race.
3. You win \$0.594 with probability 0.771 and lose \$1 with probability 0.229, assuming a show bet on a favorite. The optimal bet is to wager 38.6% of your betting fortune on each race.

Figures 5.1, 5.3, and 5.5 display the relative growth rates for bets 1, 2, and 3, respectively. Notice that as you bet more or less than the optimal Kelly fraction of your initial wealth, the growth rate declines. Eventually, if you bet very small amounts or very large amounts, the growth rate becomes virtually zero. To maintain high growth you need to make bets close to the optimal Kelly betting amounts. These figures also display the probability that you will double, triple, or quadruple your initial betting wealth before it falls to one-half. For example, in Figure 5.1, which corresponds to bet 1, the optimal Kelly bet is 10% of your betting wealth. This maximizes the rate of growth of your betting fortune. The chance of doubling before halving is about 70%, tripling before halving about 65%, and quadrupling before halving about 60%.

There is never any reason to bet any more than the optimal Kelly bet, since both the relative growth and the security decrease. By betting less than the Kelly bet, the relative growth decreases but the security improves. For example, if you bet half the optimal Kelly bet, or 5% of your wealth, the growth rate drops to about 78% of the maximum. But the chances of doubling, tripling, and quadrupling are all around 85%. Figures 5.3 and 5.5 show similar results for the safer bets 2 and 3. In these cases the optimal Kelly bets are larger because the risk of losing is much less. The probabilities of doubling, tripling, and quadrupling your fortune before losing half of it when you bet the optimal Kelly amount are similar to those in Figure 5.1. However, these probabilities are much higher if you make bets in the 5%–10% range, as in situation 1.

Figures 5.2, 5.4, and 5.6 give the probabilities that you will reach a goal of \$2,500 before dropping to \$1,000, \$500, or \$0 for situations 1, 2, and 3. The graphs give the optimal Kelly-bet values, as well as half the optimal Kelly-bet values, for various levels of initial wealth. For example, in Figure 5.2 the chance of going to \$0 is almost negligible if you have a betting fortune of at least \$100 or more.* Starting with an initial wealth of \$1,500,

*In our actual calculations we have used \$1 as the bankruptcy point, as the minimum bet at racetracks is \$2.

the chance of reaching \$2,500 before falling to \$1,000 is about 0.60 and 0.80 with full-Kelly and 0.5-Kelly betting, respectively. Similarly, the chances of reaching \$2,500 before falling to \$500 are about 0.83 and 0.95, respectively, for full-Kelly and 0.5-Kelly betting strategies. Figures 5.4 and 5.6 provide a similar analysis for the safer cases of 2 and 3.

AN IMPORTANT OBSERVATION: In this book we advocate using the Kelly criterion. It has the property that the long-run rate of growth of your betting fortune is maximized. As we just discussed and as is shown in Figures 5.1–5.6, this entails some risk, since some of the bets made can be quite large. Those who wish to lower this risk (and also the corresponding growth rate) can simply use a fractional-Kelly betting system. Figures 5.1, 5.3, and 5.5 will give you advice regarding what fraction is appropriate for your particular preference for trade-offs between growth and risk. There will be no change in the way you decide whether to bet or not as described in the following section, “Steps in Applying the Dr. Z System.” However, the amount bet should be decreased. For example, if the Kelly optimal bet is \$100 and your preferred fraction is 0.6, then you bet \$60. Professional blackjack teams use fractional-Kelly strategies of from 0.2 to 0.8. This is advisable since their edge is about 2%, and the risks of losing are quite high. In our Dr. Z system bets, the edge is considerably higher—at least 14%. It is our opinion that using the ordinary Kelly criterion rather than a fractional-Kelly betting system is preferable.

More on the Kelly Criterion: Its Desirable Properties and Limitations

We believe that the Kelly criterion is the best possible betting system for use on place and show bets and we utilize it in the Dr. Z system. It has many good properties and a few bad properties.

Good Properties

1. The Dr. Z system can be used on a race-by-race basis. For example, you don't need to worry about what races might come up later in the day or what happened in earlier races. All you need to know to make the optimal bet on a particular race is your betting fortune and the characteristics of the bet in question.

2. The more attractive the betting situation, the more the Kelly criterion tells you to bet. For example, in coin-tossing bets where you win \$1 with probability p and lose \$1 with probability $1 - p$, you simply bet that fraction of your fortune that equals your edge. So if your fortune is \$100 and $p =$

0.55 and $1 - p = 0.45$, you bet the fraction $0.55 - 0.45 = 0.10$, or \$10.* For more complicated bets, such as those to place and show, the optimal bet is also a fraction of your wealth. However, if the amount of the bet is so large that it influences the odds, the optimal bet is not a fraction of your wealth. In all cases, the amount bet is larger the more preferable the betting situation.

3. The Kelly criterion allows you to take into account the effect of your bets on the odds. The optimal bet is made by considering all bets by the crowd, as well as the track take.

4. You can never really go broke with the Kelly criterion system of betting. Since you are generally wagering an amount proportional to your betting wealth, you simply will bet less when you are losing. So if your betting fortune becomes quite small, your bets will be smaller yet. Figures 5.2, 5.4, and 5.6 illustrate this clearly.

5. The Kelly criterion tells you to bet more when you are winning because your betting wealth is higher.

Bad Properties

1. The Kelly-criterion bets tend to be quite high whenever the bets look especially attractive. Thus in an extended losing streak, your betting fortune will drop off considerably. If that happens it will take quite a while to recoup these losses.

2. If you have two identical betting opportunities in successive races and win one of the bets and lose the other, you will wind up behind. For example, suppose you are betting 10% of your fortune of \$100. If you win, your fortune becomes $\$100 + \$10 = \$110$. Then you bet \$11, and if you lose your fortune becomes \$99. Conversely, if you lose first, your fortune becomes $\$100 - \$10 = \$90$. Then you bet \$9, and if you win you have \$99. In either case, you will end up with \$99, which is less than your original stake of \$100.

3. Related to (2), the average rate of return of a Kelly-criterion bettor is not as large as with some other betting systems. Remember that the average return per dollar bet is the same for all betting systems. This means that some systems bet in such a way that their average profits are more than the Kelly criterion will provide. The Kelly criterion sacrifices average rates of return for high growth.

*If the horse has odds of $O-1$ and wins with probability p and loses with probability $q = 1 - p$, then the optimal fraction becomes $(pO - q)/O$. So for a 3-1 shot who wins with probability 0.4, you bet 20% of the current betting fortune, since $[0.4(3) - 0.6]/3 = 0.2$.

*Assumptions of the Dr. Z System**

There are three basic assumptions that underlie the Dr. Z system.

First, it is assumed that the market for win bets is efficient. Specifically, we suppose that the probability that a given horse wins the race in question is equal to the fraction of money bet on that horse to win. So if W_i is bet on horse i to win and the total win pool is W , then the probability that horse i wins the race is

$$q_i = \frac{W_i}{W}. \quad (5.1)$$

For example, if the win pool is \$10,000 and \$2,500 is bet on horse 4, then $q_4 = 0.25$, so horse 4 has a 25% chance of winning.

We know from our discussion in Chapter Three that equation (5.1) is quite accurate except for the favorite–long-shot bias. It serves us well as a working hypothesis. The errors in overestimating long shots' chances of winning and underestimating favorites' chances of winning are not a problem.[†]

Second, it is assumed that the Harville (1973) formulas can be used to estimate the probability of all possible win, place, and show finishes. They are based on the following reasonable idea: Suppose a race has four horses with probabilities of winning of $\frac{1}{3}$, $\frac{1}{2}$, $\frac{1}{12}$, and $\frac{1}{12}$. Now if horse 1 wins, then the probability that horse 2 is second is

$$\frac{\frac{1}{2}}{1 - \frac{1}{3}} = \frac{3}{4}$$

and the probability that horse 3 is second is

$$\frac{\frac{1}{12}}{1 - \frac{1}{3}} = \frac{1}{8}.$$

The probability that horse 4 is second is also $\frac{1}{8}$.

The idea is that the relative chances of winning of the various horses left in the race remain the same. It is as if horse 1 were eliminated from the race and 2 and 3 are vying to win the next position, that is, to come in second.

*This section contains some discussion that is more mathematical than the rest of the text. Understanding it is not required to use the Dr. Z system, the steps of which are explained in detail in the following section.

[†]Readers with mathematical backgrounds can find more on this in Appendix B.

The Harville formula for place is as follows: Let q_i be the probability that i wins the race as determined by equation (5.1) and q_j be the probability that j wins the race. Then the probability that i wins the race and j is second is

$$q_{ij} = \underbrace{(q_i)}_{\substack{\text{Probability} \\ \text{that } i \text{ is} \\ \text{first}}} \underbrace{\left(\frac{q_j}{1 - q_i} \right)}_{\substack{\text{Probability} \\ \text{that } j \text{ is} \\ \text{second once} \\ \text{it is known} \\ \text{that } i \text{ is first}}} \quad (5.2)$$

So for our example, with $q_1 = \frac{1}{3}$, $q_2 = \frac{1}{2}$, $q_3 = \frac{1}{12}$, and $q_4 = \frac{1}{12}$, the probability that 1 is first and 2 is second is

$$q_{12} = \underbrace{(q_1)}_{\substack{\text{Probability} \\ \text{that 1 wins}}} \underbrace{\left(\frac{q_2}{1 - q_1} \right)}_{\substack{\text{Probability} \\ \text{that 2 is} \\ \text{second if 1} \\ \text{wins}}} = \left(\frac{1}{3} \right) \left(\frac{\frac{1}{2}}{1 - \frac{1}{3}} \right) = \frac{1}{4}.$$

Similarly, the probability that 4 is first and 1 is second is

$$q_{41} = \underbrace{(q_4)}_{\substack{\text{Probability} \\ \text{that 4 wins}}} \underbrace{\left(\frac{q_1}{1 - q_4} \right)}_{\substack{\text{Probability} \\ \text{that 1 is} \\ \text{second if 4} \\ \text{wins}}} = \left(\frac{1}{12} \right) \left(\frac{\frac{1}{3}}{1 - \frac{1}{12}} \right) = \frac{1}{33}.$$

The Harville formula for show follows. We now consider the possibility that three horses are in the money and call them i , j , and k . Then the probability that i wins the race, j is second, and k is third is

$$q_{ijk} = \underbrace{(q_i)}_{\text{Probability that } i \text{ wins}} \underbrace{\left(\frac{q_j}{1 - q_i}\right)}_{\text{Probability that } j \text{ is second if } i \text{ wins}} \underbrace{\left(\frac{q_k}{1 - q_i - q_j}\right)}_{\text{Probability that } k \text{ is third if } i \text{ wins and } j \text{ is second}} \quad (5.3)$$

So for our example, with $q_1 = \frac{1}{3}$, $q_2 = \frac{1}{2}$, $q_3 = \frac{1}{12}$, and $q_4 = \frac{1}{12}$ the probability that 1 is first, 2 is second, and 3 is third is

$$q_{123} = \underbrace{(q_1)}_{\text{Probability that 1 wins}} \underbrace{\left(\frac{q_2}{1 - q_1}\right)}_{\text{Probability that 2 is second if 1 wins}} \underbrace{\left(\frac{q_3}{1 - q_1 - q_2}\right)}_{\text{Probability that 3 is third if 1 wins and 2 is second}} \\ = \left(\frac{1}{3}\right) \left(\frac{\frac{1}{2}}{1 - \frac{1}{3}}\right) \left(\frac{\frac{1}{12}}{1 - \frac{1}{3} - \frac{1}{2}}\right) = \frac{1}{8}.$$

Similarly, the probability that 4 is first, 1 is second, and 2 is third is

$$q_{412} = \underbrace{(q_4)}_{\text{Probability that 4 wins}} \underbrace{\left(\frac{q_1}{1 - q_4}\right)}_{\text{Probability that 1 is second if 4 wins}} \underbrace{\left(\frac{q_2}{1 - q_4 - q_1}\right)}_{\text{Probability that 2 is third if 4 wins and 1 is second}} \\ = \left(\frac{1}{12}\right) \left(\frac{\frac{1}{3}}{1 - \frac{1}{12}}\right) \left(\frac{\frac{1}{2}}{1 - \frac{1}{12} - \frac{1}{3}}\right) = \frac{2}{77}.$$

The Harville formulas are used in the Dr. Z model to estimate the probabilities of all possible finishes so that we can get an overall worth of any possible bet once we know how much is bet to win, place, and show on

the various horses. They are also useful in the analysis of other bets, such as those occurring in minus pools, which we discuss in Chapter Fifteen.*

PARIS ROAD, ch. g. 1975, by Jungle Road-Made In Paris, by Succession														
Owner: R. J. McCance. Trainer: Robert McCance.										1980. 5 3 0 0 \$5,985		114		
Breeder: Mr. and Mrs. R. W. Hall (B.C., Canada).										1979 5 2 0 0 \$3,204				
										\$6,250				
21Jun80	5EP	1 ¹ / ₁₆	:49 ¹	1:14 ²	1:48 ft	16	115	41 ³ / ₄	2 ¹ / ₂	12	1 ¹ / ₂	WilksnW ²	5000 71 ParisRoad115	Gail'sPunch 10
4Jun80	5EP	6 ¹ / ₂	f :23	:46 ⁴	1:20 sy	25	116	42 ¹ / ₂	32 ¹ / ₂	2 ¹ / ₂	1h	WilksnW ¹	4000 78 ParisRoad116	TicketCount 9
23May80	6EP	6 ¹ / ₂	f :22 ²	:45 ⁴	1:19 ft	20	114	10 ¹ / ₃	61 ² / ₂	81 ² / ₂	81 ⁴ / ₄	MelansnG ⁹	4000 69 Ionion Sea 117	Hacker 10
2May80	1EP	6 ¹ / ₂	f :22 ²	:46 ³	1:20 ³ ft	20	119	85 ³ / ₄	52 ³ / ₄	12	12 ¹ / ₄	MelansnG ⁶	3200 75 ParisRoad119	FireBall 10
18Apr80	6EP	6	f :23 ²	:47 ³	1:13 ⁴ sy	40	115	81 ² / ₂	81 ⁰ / ₂	61 ⁰ / ₂	71 ¹ / ₁	WilksnW ⁹	4000 72 KakaDeHrt114	Citizen'sAwrd 10
14Jly 79	4EP	1 ¹ / ₁₆	:47 ⁴	1:12 ⁴	1:46 ⁴ ft	31	113	91 ¹ / ₁₀	101 ² / ₂	91 ³ / ₂	91 ³ / ₂	FrazierD ⁸	3000 64 ElliesBoy113	RoyalTruce 10
30Jun79	4EP	6 ¹ / ₂	f :22 ⁴	:46 ³	1:19 ⁴ gd	14	119	75 ¹ / ₂	67 ¹ / ₂	51 ² / ₂	59 ¹ / ₄	BrayR ¹⁰	3200 70 SuperWin114	BowHunter 10
16Jun79	4EP	1 ¹ / ₁₆	:48 ⁴	1:14 ⁴	1:49 sy	6	116	81 ² / ₂	81 ⁰ / ₂	71 ⁴ / ₂	71 ⁹ / ₂	BrayR ⁶	4000 49 Kevin'sAward114	PlmThePea 8
30May79	1EP	6 ¹ / ₂	f :22 ⁴	:46 ³	1:19 ⁴ ft	33 ⁴ / ₄	122	53 ¹ / ₄	33 ¹ / ₂	2 ¹ / ₂	12 ¹ / ₂	BrayR ¹⁰	2500 79 ParisRoad122	CoolArtic 10
16May79	1EP	6 ¹ / ₂	f :22 ³	:46 ³	1:19 ⁴ ft	23	115	75	53 ¹ / ₂	1 ¹ / ₂	12	BrayR ¹	2500 79 ParisRoad115	LaBelleMichell 10

The Harville formulas are based on the concept that the relative chance that each of several horses will finish first is not changed when one of them is eliminated. However, the acid test is how well they predict real races. As a test, we used them to compute the expected values using races over 110 days at Exhibition Park in 1978 and seventy-five days at Santa Anita in 1973/74.† The object was to compare the Harville formulas' estimates of the expected values with the observed expected values. Naturally, we were interested primarily in situations where the expected value was greater than one, since that is when profits are made. We therefore compared the expected values when the Harville formulas indicated that the expected value was at least 1.04 so that we could expect a 4% profit or more.

The results appear in Table 5.1. It is supposed that we bet \$10 on every horse whose expected value was at least 1.04, as estimated by using the Harville formulas in conjunction with the efficient-win-market assumption (5.1). The results were quite encouraging because the estimated expected return was reasonably close to the actual average return. Indeed, even wagering such equal bets you would make a nice profit. Of course, we will want to bet more when the odds, as measured by the expected return, are higher and the measured probability of the risk of losing is lower. We do this with the Kelly-criterion betting system, the third key assumption of the Dr. Z system.

*Although very useful and accurate most of the time, the Harville formulas overestimate the probability of coming in second or third for Silky Sullivan-type horses. Those are late chargers that either have that burst of speed in the stretch to overtake several horses and win the race or they do not and finish quite far back. For these horses the probability of finishing second or third is virtually zero. The record of Paris Road, who had this characteristic while racing at Exhibition Park in 1981, follows. This overestimation does not cause us any difficulty, for we recommend that in the rare instance when you encounter such a horse you simply do not bet on the horse for place or show.

†The actual formulas used to do this are quite complex and appear in Appendix B. These data are discussed more fully in Chapter Nine.

Details of Bets												
Exhibition Park 1978							Santa Anita 1973/74					
Expected Return Is at Least <i>E</i>	Number of Bets to Place	Total Net Profit (\$)	Net Rate of Return (%)	Number of Bets to Show	Total Net Profit (\$)	Net Rate of Return (%)	Number of Bets to Place	Total Net Profit (\$)	Net Rate of Return (%)	Number of Bets to Show	Total Net Profit (\$)	Net Rate of Return (%)
1.04	225	51	2.3	612	332	5.4	103	123	11.9	307	− 180	− 5.9
1.08	126	− 101	− 8.0	386	535	13.9	52	128	24.6	162	69	4.3
1.12	69	111	16.1	223	408	18.3	22	92	41.8	89	30	3.4
1.16	40	51	12.8	143	263	18.4	7	23	32.9	46	124	27.0
1.20	18	53	29.4	95	217	22.8	3	− 13	− 43.3	27	62	23.0
1.25	11	− 27	− 24.5	44	112	25.5	0	0	—	9	60	66.7
1.30	3	− 30	− 100.0	27	108	40.0	0	0	—	5	51	102.0
1.50	0	0	—	3	60	200.0	0	0	—	0	0	—

Summary									
Exhibition Park				Santa Anita			Totals		
Expected Return Is at Least <i>E</i>	Number of Bets to Place and Show	Total Net Profit (\$)	Net Rate of Return (%)	Number of Bets to Place and Show	Total Net Profit (\$)	Net Rate of Return (%)	Number of Bets to Place and Show	Total Net Profit (\$)	Net Rate of Return (\$)
1.04	837	383	4.6	410	− 57	− 1.4	1247	326	2.6
1.08	512	434	8.5	214	197	9.2	726	631	8.7
1.12	292	519	17.8	111	122	11.0	403	641	15.9
1.16	183	314	17.2	53	147	27.7	236	461	19.5
1.20	113	270	23.9	30	49	16.3	143	319	22.3
1.25	55	85	15.5	9	60	66.7	64	145	22.7
1.30	30	78	26.0	5	51	102.0	35	129	36.9
1.50	3	60	200.0	0	0	—	3	60	200.0

TABLE 5.1 *Results of betting \$10 to place or show on horses with expected returns of at least E at Exhibition Park in 1978 and Santa Anita in 1973/74*

The third major assumption underlying the Dr. Z system is that we bet according to the Kelly criterion. As we discussed in the preceding sections of this chapter, this strategy provides the maximum rate of growth of your betting fortune.

The actual mathematical model underlying the Dr. Z system considers the effect of our bets on all the possible payoffs for place and show.* It then calculates the optimal bets for place and show, taking into account the track take and the relative amounts bet to win, place, and show on the various horses. To make the Dr. Z system easy to use at racetracks, we have made approximations of the true optimal solutions, enabling you easily to estimate the expected value per dollar bet to place or show on any given horse and to determine how much you should wager out of your betting fortune.

The expected-value equations appeared in Chapter Four; the equations for the optimal amount to bet for place and show follow. In the following section, we provide you with detailed steps in applying the Dr. Z system, including charts that indicate when a bet is a Dr. Z system bet and how much you should bet. To obtain the maximum accuracy, different equations are necessary for different wealth levels and sizes of the track's betting pools. All these equations appear in Chapter Sixteen; they were used to calculate the charts that appear in the following section.

Equations for place and show betting with a betting wealth of \$500 follow. The place-betting equation is appropriate when the place pool is between \$10,000 and \$150,000 and the show-betting equation is appropriate for a show pool between \$6,000 and \$100,000. These equations are to be used only if the expected-value equations from Chapter Four indicate that a bet should be made.†

$$\text{Place bet} = \left[505q_i + 527q_i^2 - \left(\frac{386q_iP_i}{q_iP - 0.60P_i} \right) \right] \left(\frac{P - 10,000}{140,000} \right) \quad (5.4)$$

$$+ \left[375q_i + 525q_i^2 - \left(\frac{271q_iP_i}{q_iP - 0.70P_i} \right) \right] \left(\frac{150,000 - P}{140,000} \right)$$

$$\begin{aligned} \text{Show bet} = & \left[131 + 2,150q_i^2 - 1,778q_i^3 - \left(\frac{150S_i}{q_iS - 0.70S_i} \right) \right] \left(\frac{S - 6,000}{94,000} \right) \\ & + \left[86 + 1,516q_i^2 - 968q_i^3 - \left(\frac{90.7S_i}{q_iS - 0.85S_i} \right) \right] \left(\frac{100,000 - S}{94,000} \right) \end{aligned} \quad (5.5)$$

*Mathematical details of the model appear in Appendix B.

†These formulas for optimal place and show bets assume a track payback Q of 0.829. For other values of Q we have developed a correction factor for the optimal bet sizes. It is similar to the correction factors for expected value to place and show in equations (4.5) and (4.6). This feature is discussed in Chapter Sixteen.

Recall that $q_i = W_i/W$, where W_i is the win bet on i and the win pool is W , P_i is the place bet on i , P is the place pool, S_i is the show bet on i , and S is the show pool.

We illustrate these equations in the examples later in the chapter. Now let's go over the full steps in applying the Dr. Z system.

Steps in Applying the Dr. Z System

Full details on how to apply the Dr. Z system follow. First, there is a set of rules indicating when you should consider not betting. Second, there are some useful hints and cautions that you should keep in mind in selecting your bets. Finally, there are the steps in the evaluation of a possible Dr. Z system bet, including charts to determine whether to bet or not and, if so, how much you should bet. Detailed examples of three actual races using these procedures are then provided. More examples appear in succeeding chapters.

We recommend that you *do not bet* in any of the following situations:

1. On days when the track is not fast. This especially means heavy, sloppy, or muddy tracks, but also includes tracks listed as in fair or good condition. Horses' performances are extremely variable on such tracks.
2. When there is a minus pool and some horse or horses are bet so heavily to place or show that the payoff on all horses will be \$2.10 if this horse or any of the entry horses are in the money. Minus pools and exceptions to this rule are discussed in detail in Chapter Fifteen.
3. When the horse in question is going off at odds of more than 8—1. Since these long shots are traditionally overbet, the possible payoff that you might get is not sufficient to justify the risk involved.
4. When the horse in question is a Silky Sullivan-type runner. These are horses whose records indicate that they are late chargers who come from far off the pace and either win the race or finish out of the money. You can recognize these horses by consulting the past performances. If a horse has run that kind of race in its last ten outings, don't bet it to place or show.
5. When the expected return per dollar bet is less than 1.14 for the top tracks and 1.18 for other tracks. The tracks with sufficiently large betting pools and superior horses to warrant the 1.14 expected-value cutoff are as follows:

Arlington Park, Illinois	Hialeah, Florida	Monmouth Park, New Jersey
Aqueduct, New York	Hollywood Park, California	Oaklawn Park, Arkansas
Belmont Park, New York	Keeneland, Kentucky	Pimlico, Maryland
Churchill Downs, Kentucky	Los Alamitos, California	Santa Anita Park, California
Del Mar, California	Louisiana Downs, Louisiana	Saratoga, New York
Golden Gate, California	Longacres, Washington	Sportsman's Park, Illinois
Gulfstream Park, Florida	Meadowlands, New Jersey	Woodbine, Ontario
Hawthorne, Illinois		

At all other tracks use an expected value cutoff of 1.18. Figures 5.7–5.10 can be used for this purpose.

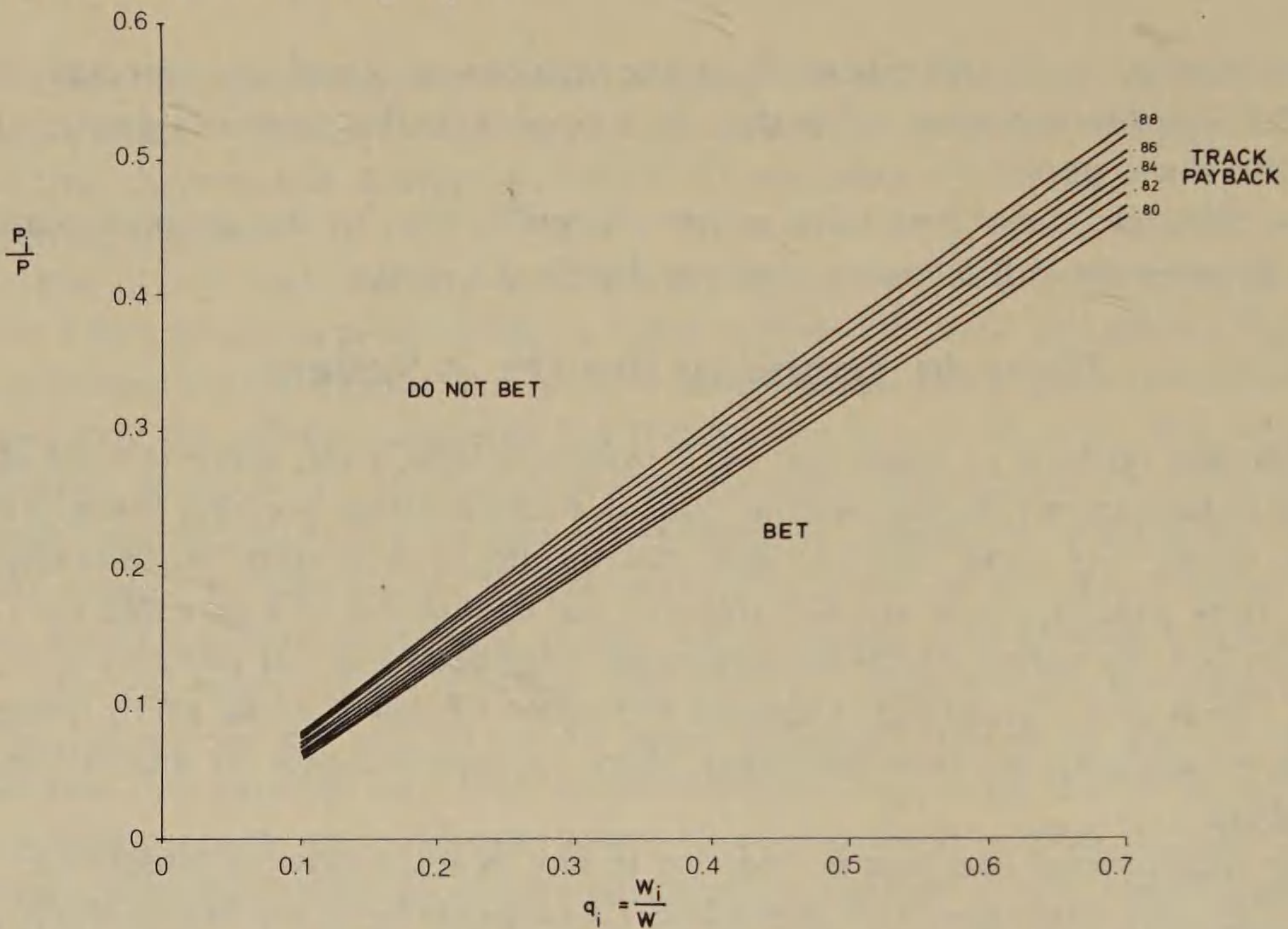


Figure 5.7 Graphs to indicate whether or not to make a place bet when the expected-value cutoff is 1.14 and the track payback varies from 0.80 to 0.88—*bet* if value is on or below the appropriate line; *do not bet* otherwise

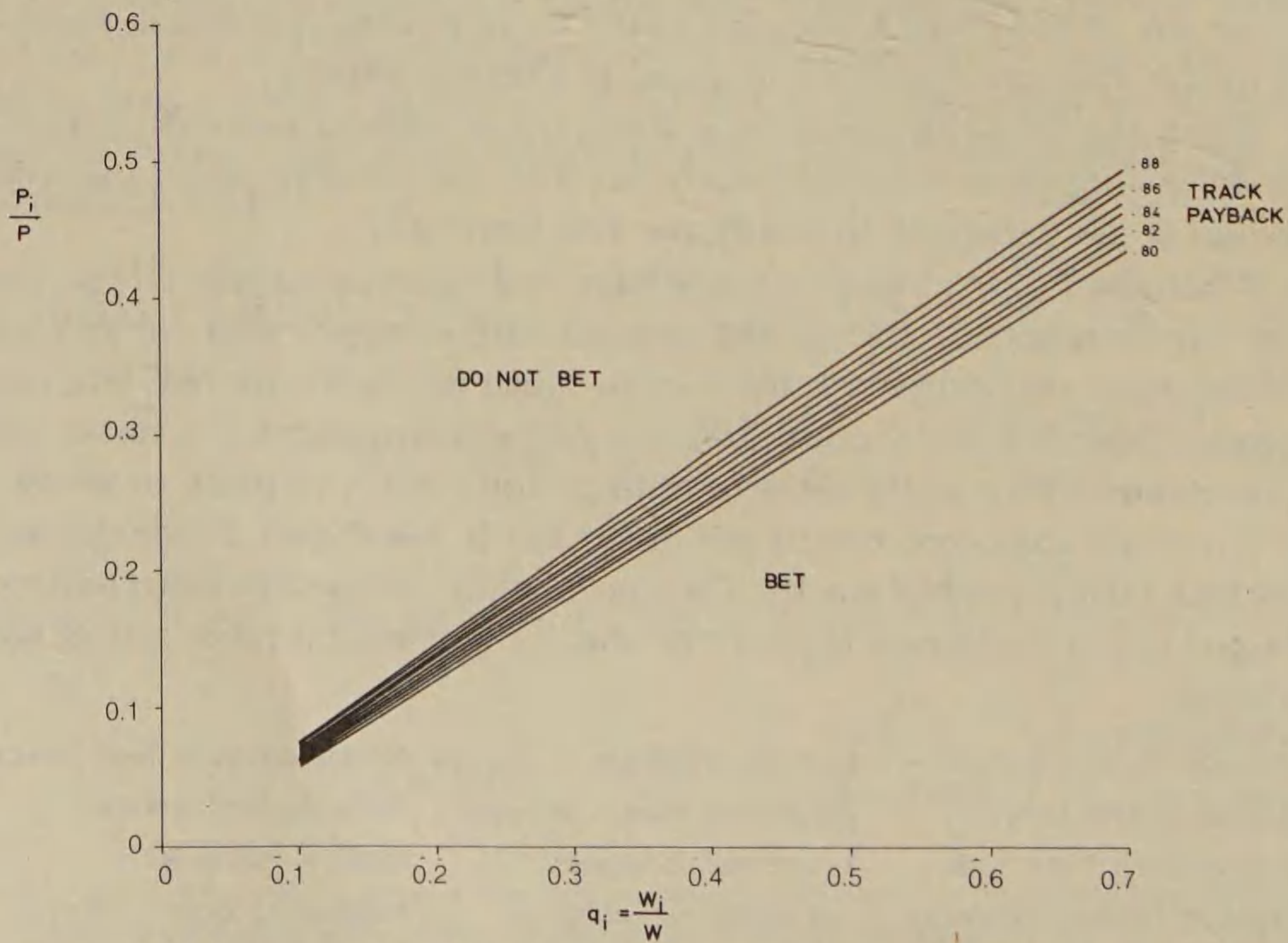


Figure 5.8 Graphs to indicate whether or not to make a place bet when the expected-value cutoff is 1.18 and the track payback varies from 0.80 to 0.88—*bet* if value is on or below the appropriate line; *do not bet* otherwise

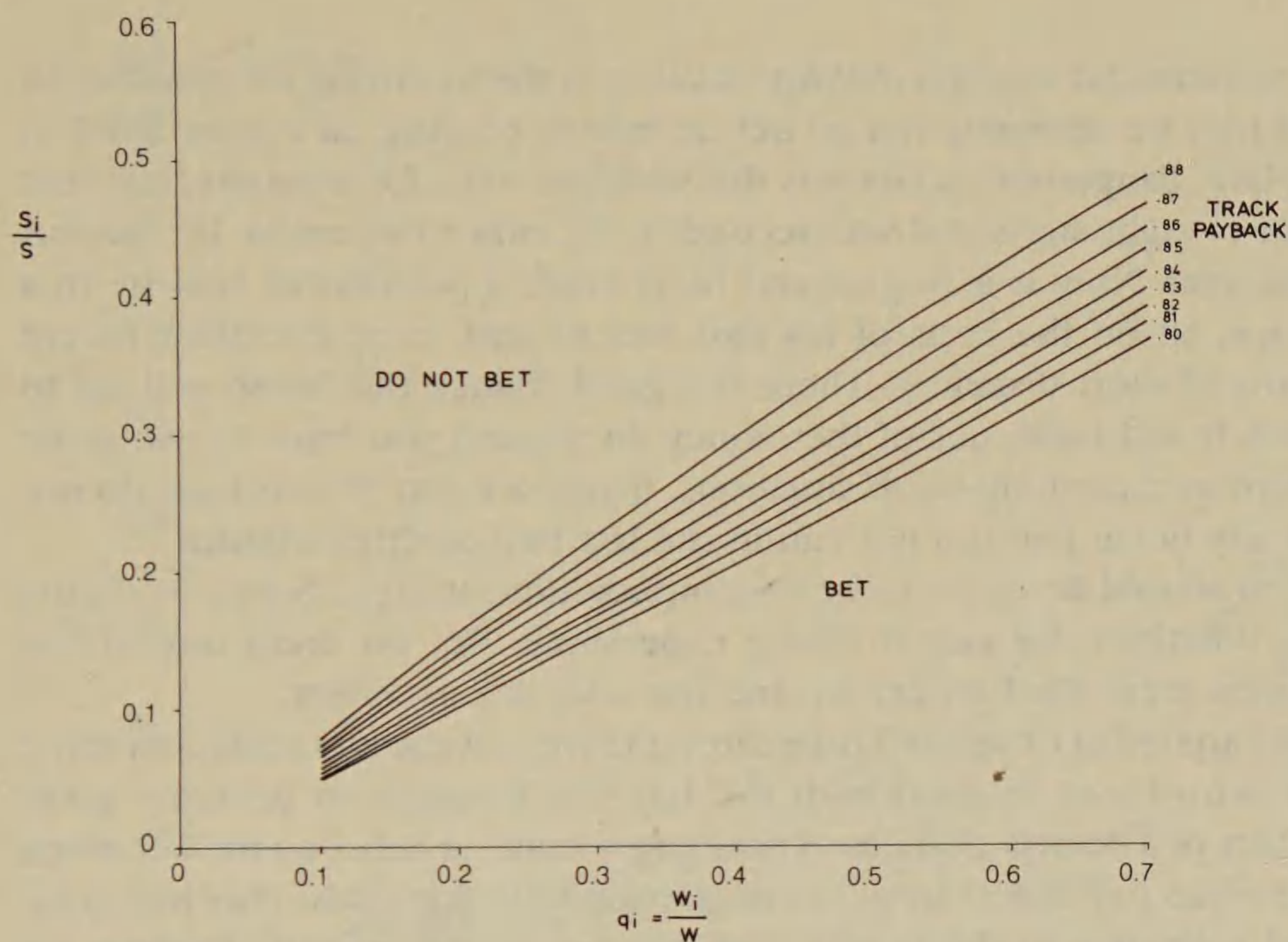


Figure 5.9 Graphs to indicate whether or not to make a show bet when the expected-value cutoff is 1.14 and the track payback varies from 0.80 to 0.88—*bet* if value is on or below the appropriate line; *do not bet* otherwise

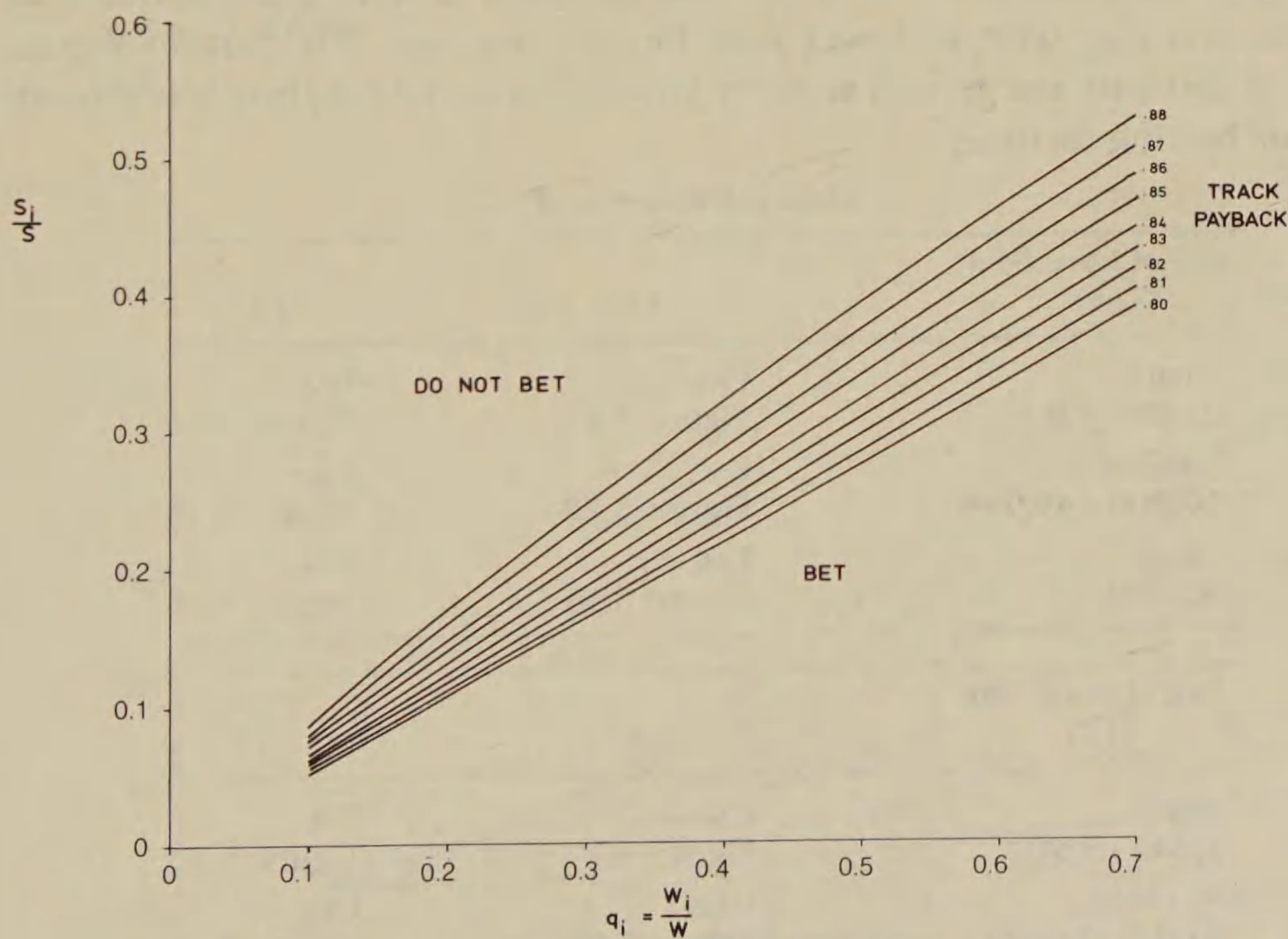


Figure 5.10 Graphs to indicate whether or not to make a show bet when the expected-value cutoff is 1.18 and the track payback varies from 0.80 to 0.88—*bet* if value is on or below the appropriate line; *do not bet* otherwise

We recommend that you *display caution* in the following circumstances:

1. It may be advisable not to bet on horses coming off a long layoff. A particularly dangerous situation is the standout who, for example, last year won six of eight starts and was second in the other two races. He has not run this year. Now it is August and he is made a prohibitive favorite in a long race, all on the basis of his past record and some excellent recent workouts at short distances. There is a good chance this horse will die in the stretch and finish out of the money. In general you have to use some judgment in these long-layoff situations. If you want to be cautious, do not bet on any horse that has not run in the last two to three months.
2. You should be cautious betting on first-time starters. Super workouts are no substitute for actual racing experience. Bet on them only if the conditions seem ideal otherwise and the odds are excellent.
3. We argued in Chapters Three through Five that the win odds generated by the crowd can be used with the Harville formulas to generate good predictors of a horse's chances of finishing second or third, so we bet when the expected payoff was large in comparison with fair odds. This was done without reference to the horses' and jockeys' actual records. There is no doubt, however, that a person feels more comfortable when the bet is on a horse that is frequently in the money, at today's distance, running against similar quality horses, and with his regular jockey—ideally one of the top jockeys at the current meet. When the situation is not so comfortable as all that, you may wish to lower your bet. On average, this caution should provide you with the greater security you wish and only slightly less growth in your betting fortune.

Expected-Value Cutoff		
Size of Place Pool (\$)	1.14	1.18
Small 2,000 – 9,999	Use Figure 5.11	Use Figure 5.14
Medium 10,000 – 49,999	Use Figure 5.12	Use Figure 5.15
Large 50,000 +	Use Figure 5.13	Use Figure 5.16
Size of Show Pool (\$)	1.14	1.18
Small 1,200 – 5,999	Use Figure 5.17	Use Figure 5.20
Medium 6,000 – 29,999	Use Figure 5.18	Use Figure 5.21
Large 30,000 +	Use Figure 5.19	Use Figure 5.22

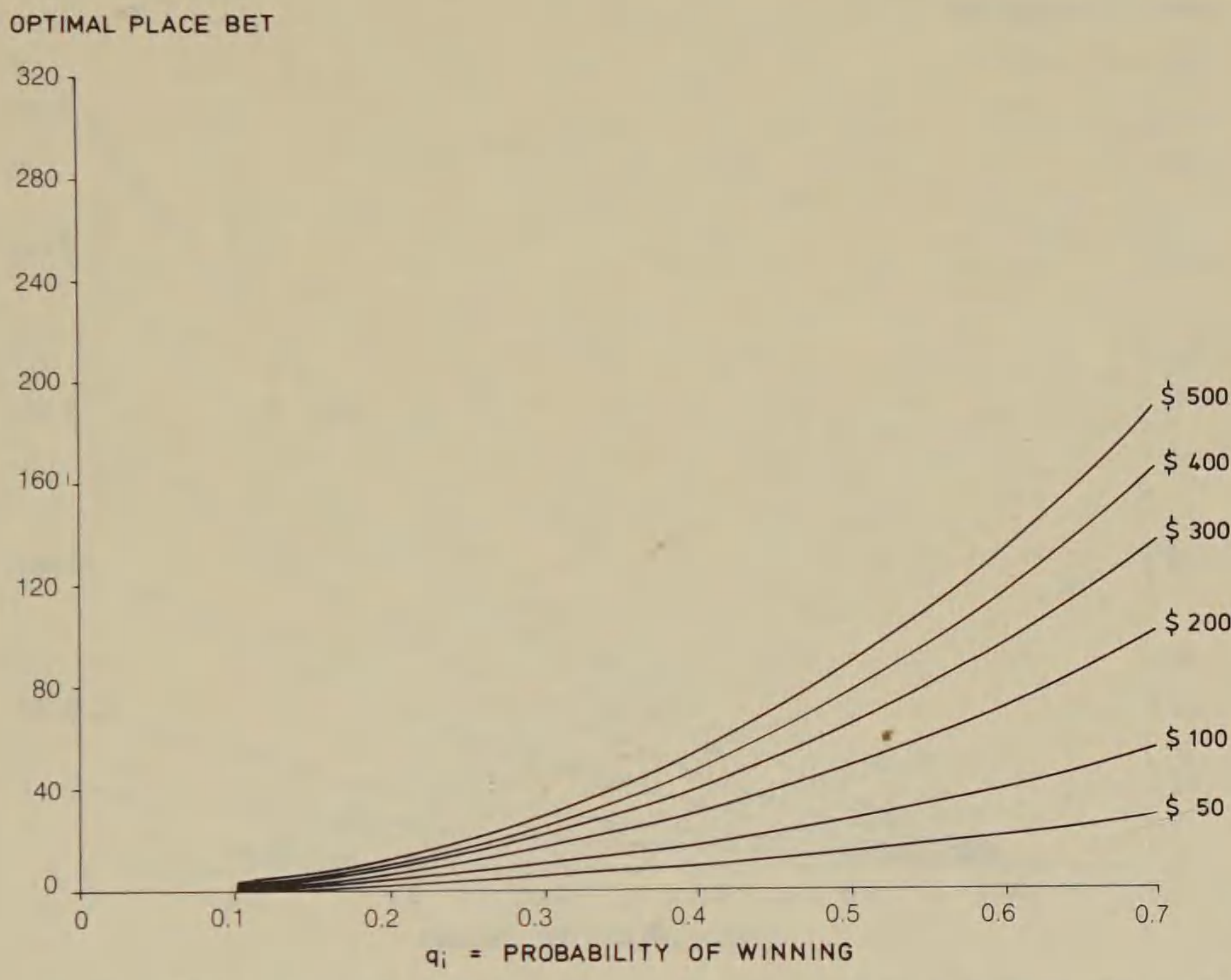


Figure 5.11 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.14 and the place pool is small (\$2,000 – \$9,999)

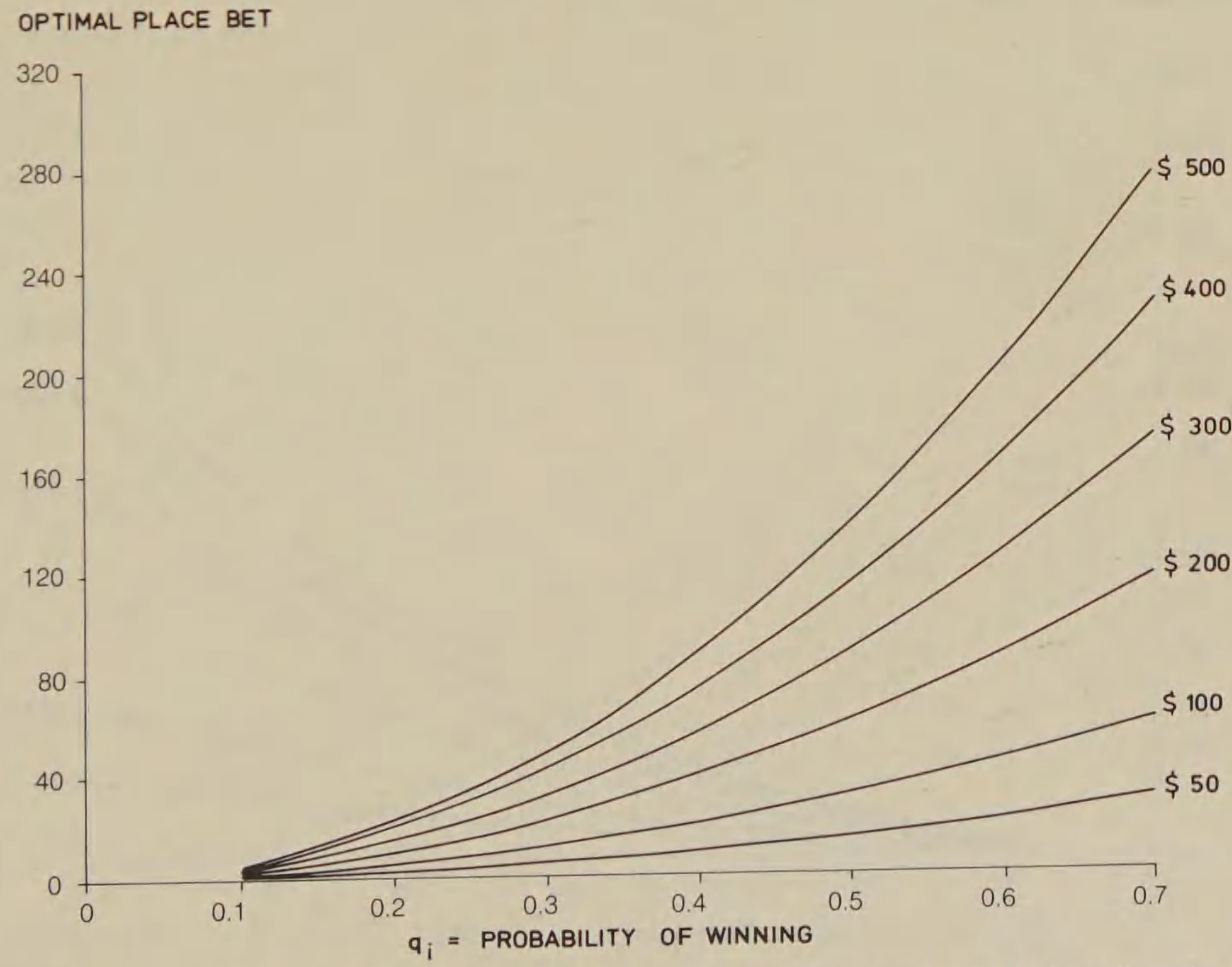


Figure 5.12 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.14 and the place pool is medium (\$10,000 – \$49,999)

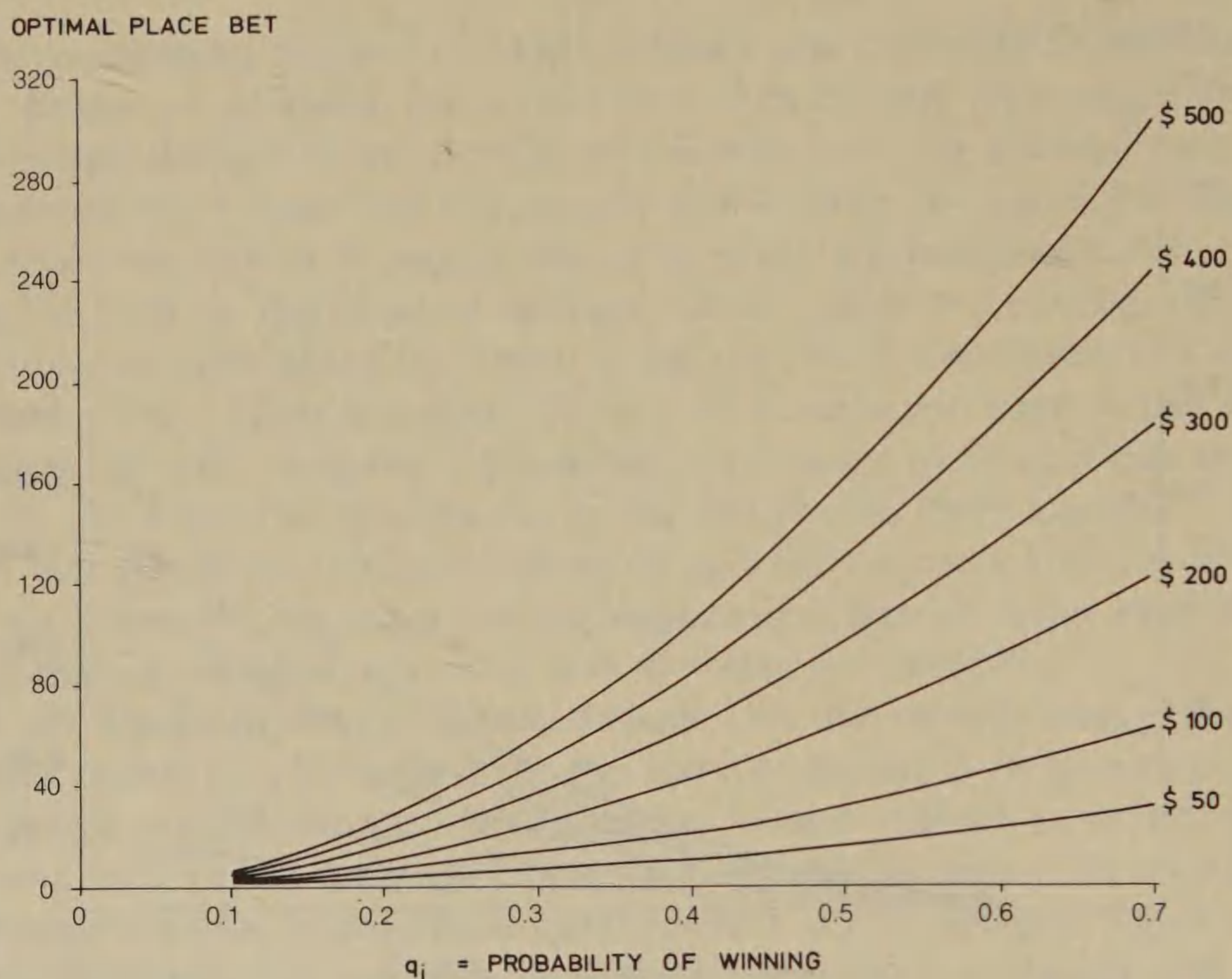


Figure 5.13 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.14 and the place pool is large (\$50,000+)

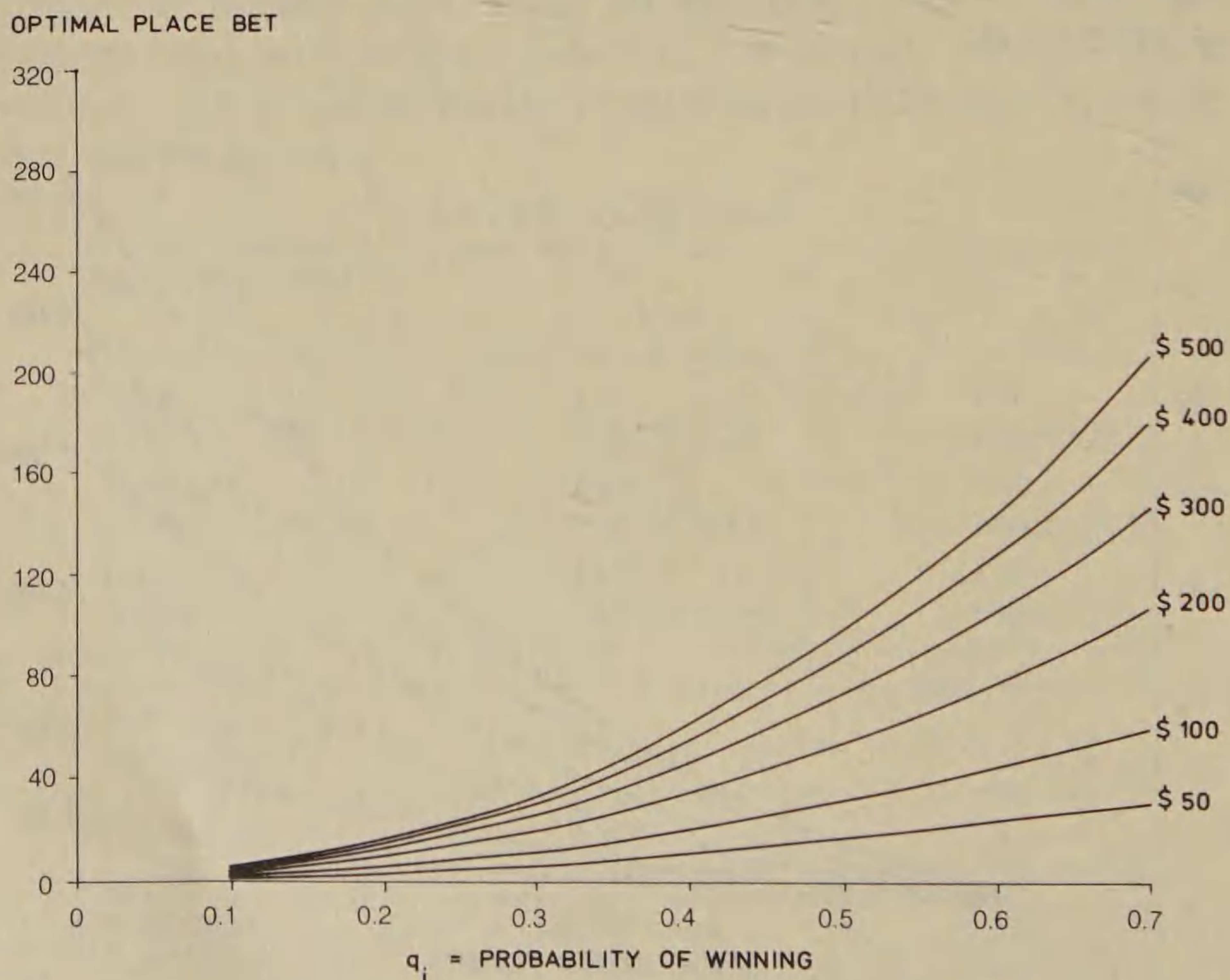


Figure 5.14 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.18 and the place pool is small (\$2,000-\$9,999)

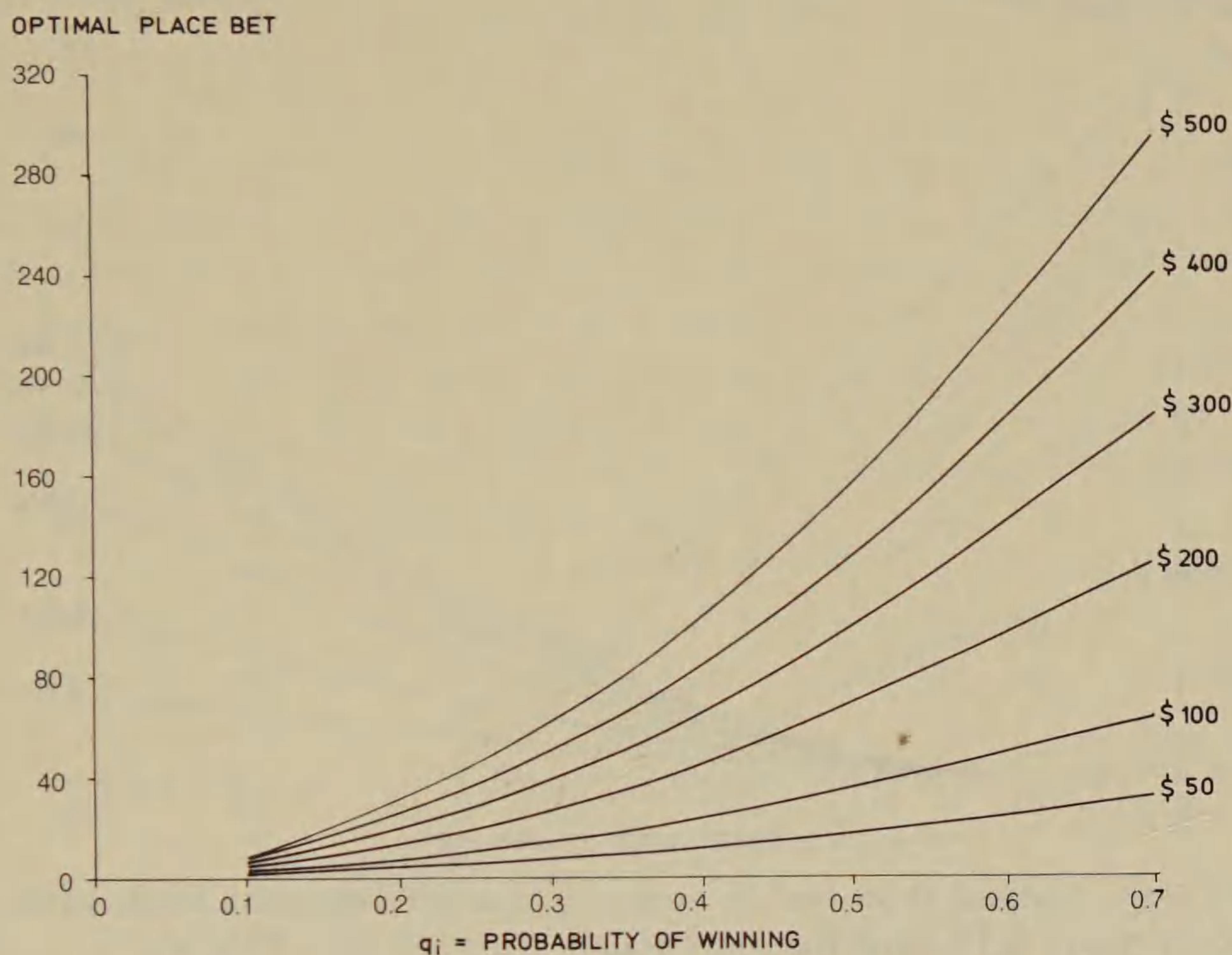


Figure 5.15 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.18 and the place pool is medium (\$10,000 – \$49,999)

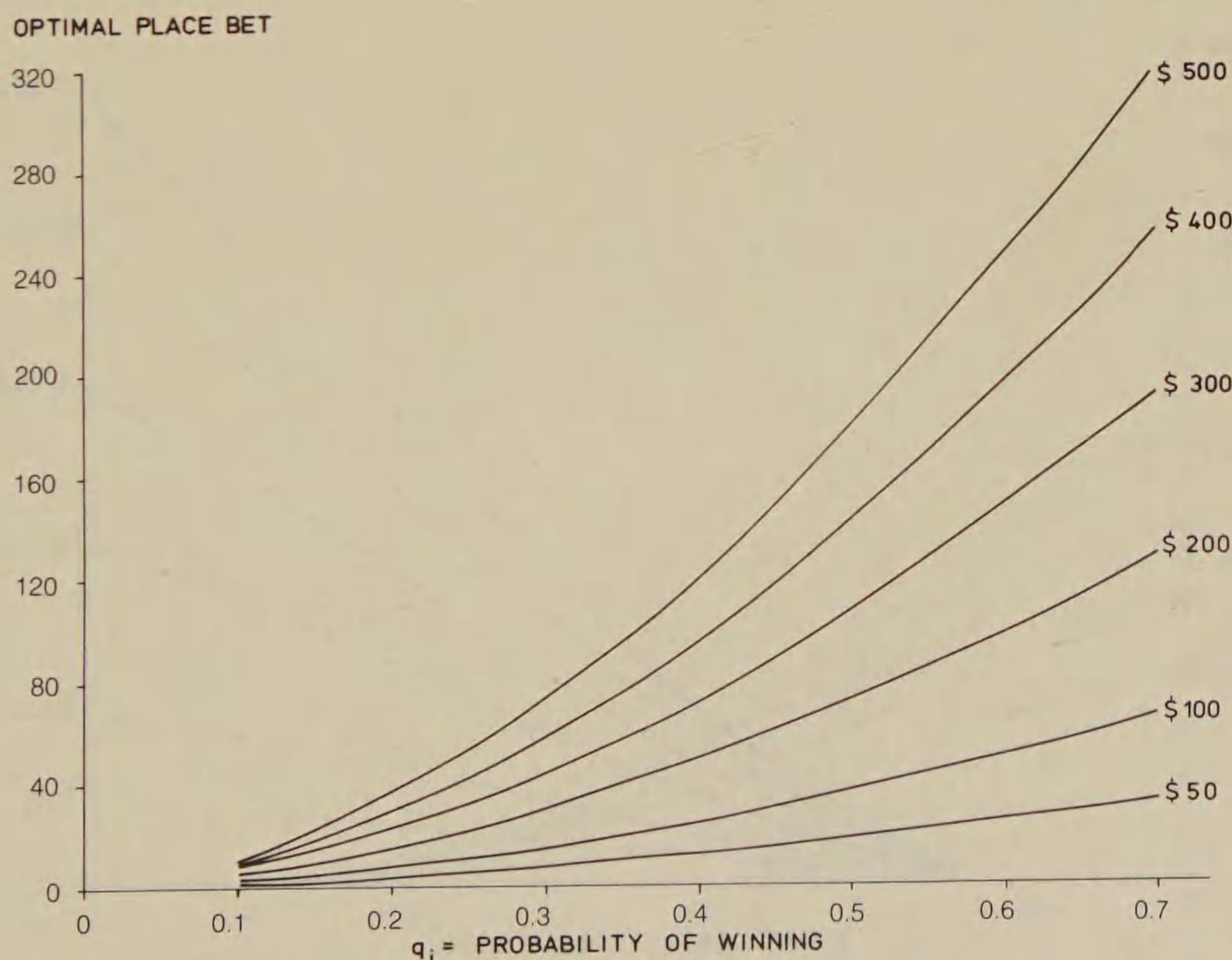


Figure 5.16 Optimal place bet for various q_i and betting-wealth levels when the expected return is 1.18 and the place pool is large (\$50,000 +)

OPTIMAL SHOW BET

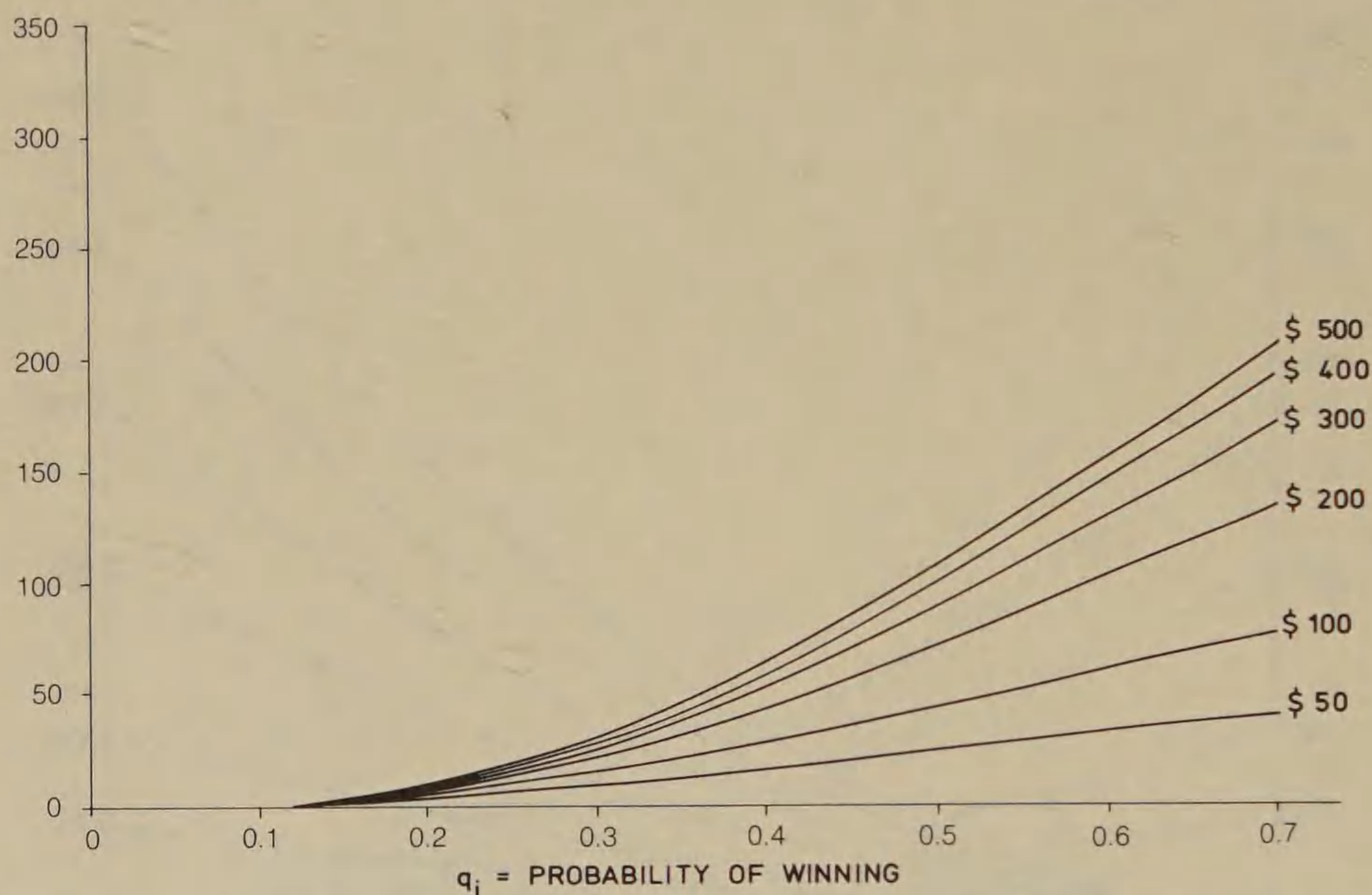


Figure 5.17 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.14 and the show pool is small (\$1,200–\$5,999)

OPTIMAL SHOW BET

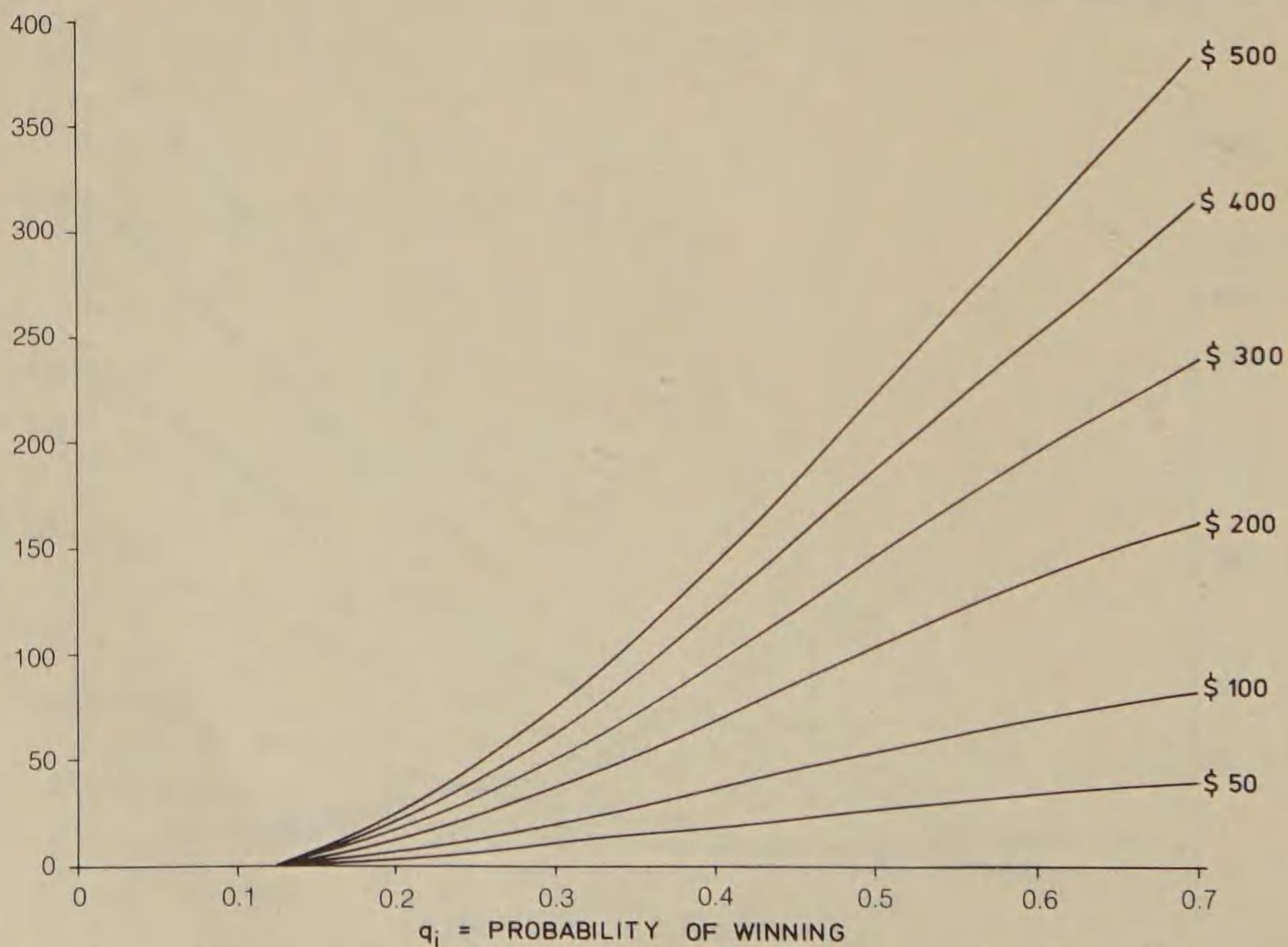


Figure 5.18 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.14 and the show pool is medium (\$6,000–\$29,999)

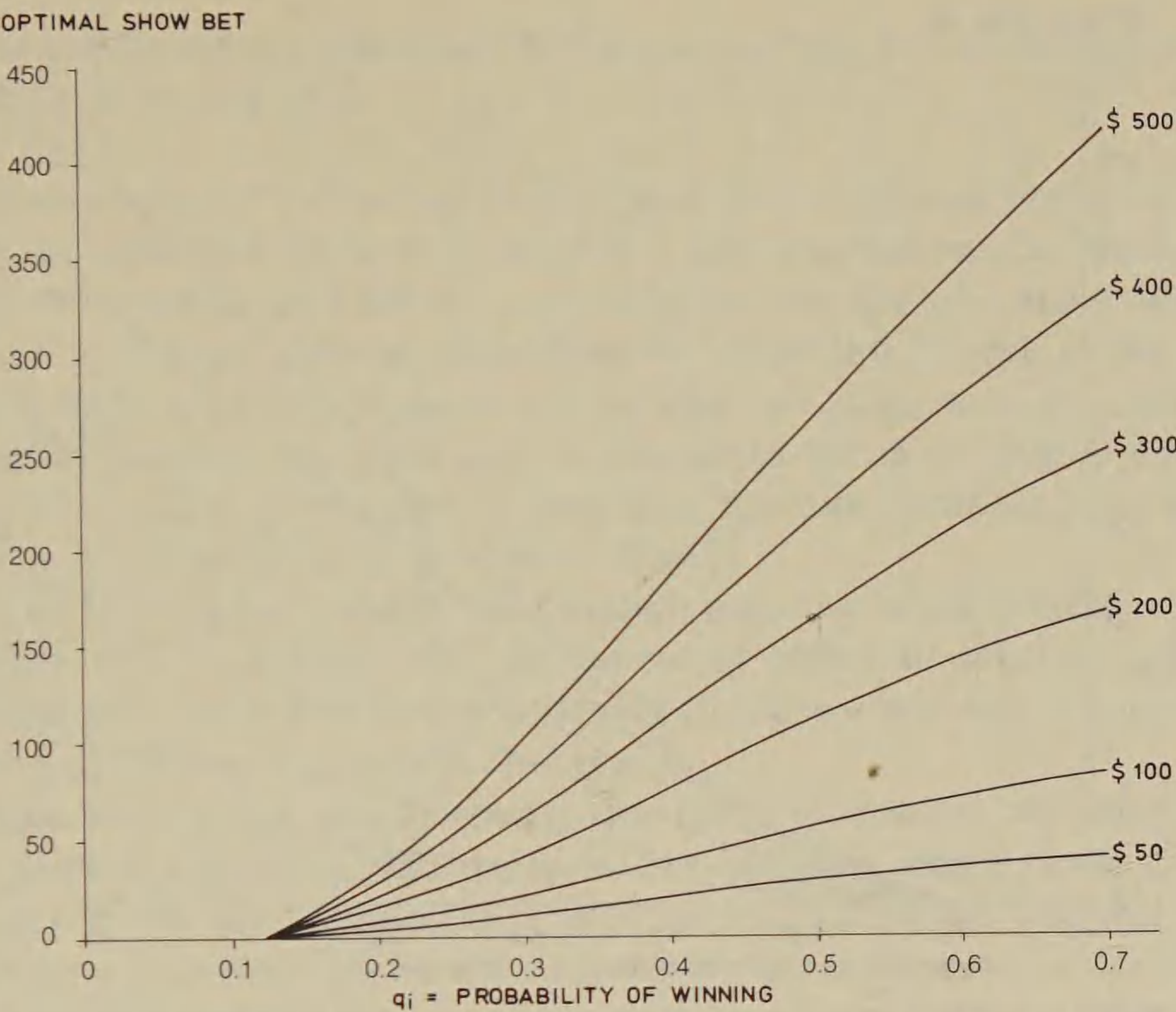


Figure 5.19 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.14 and the show pool is large (\$30,000 +)

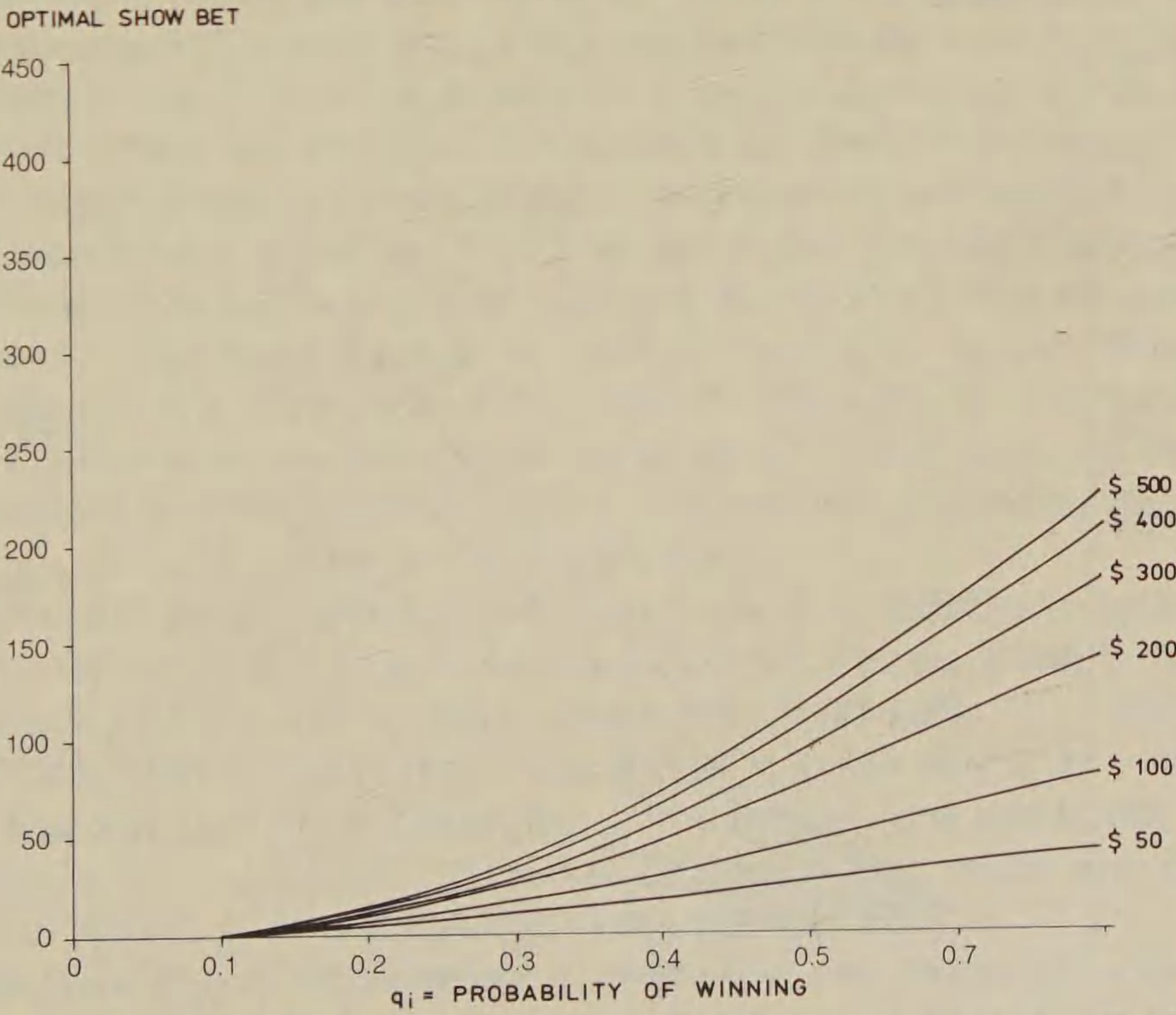


Figure 5.20 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.18 and the show pool is small (\$1,200 - \$5,999)

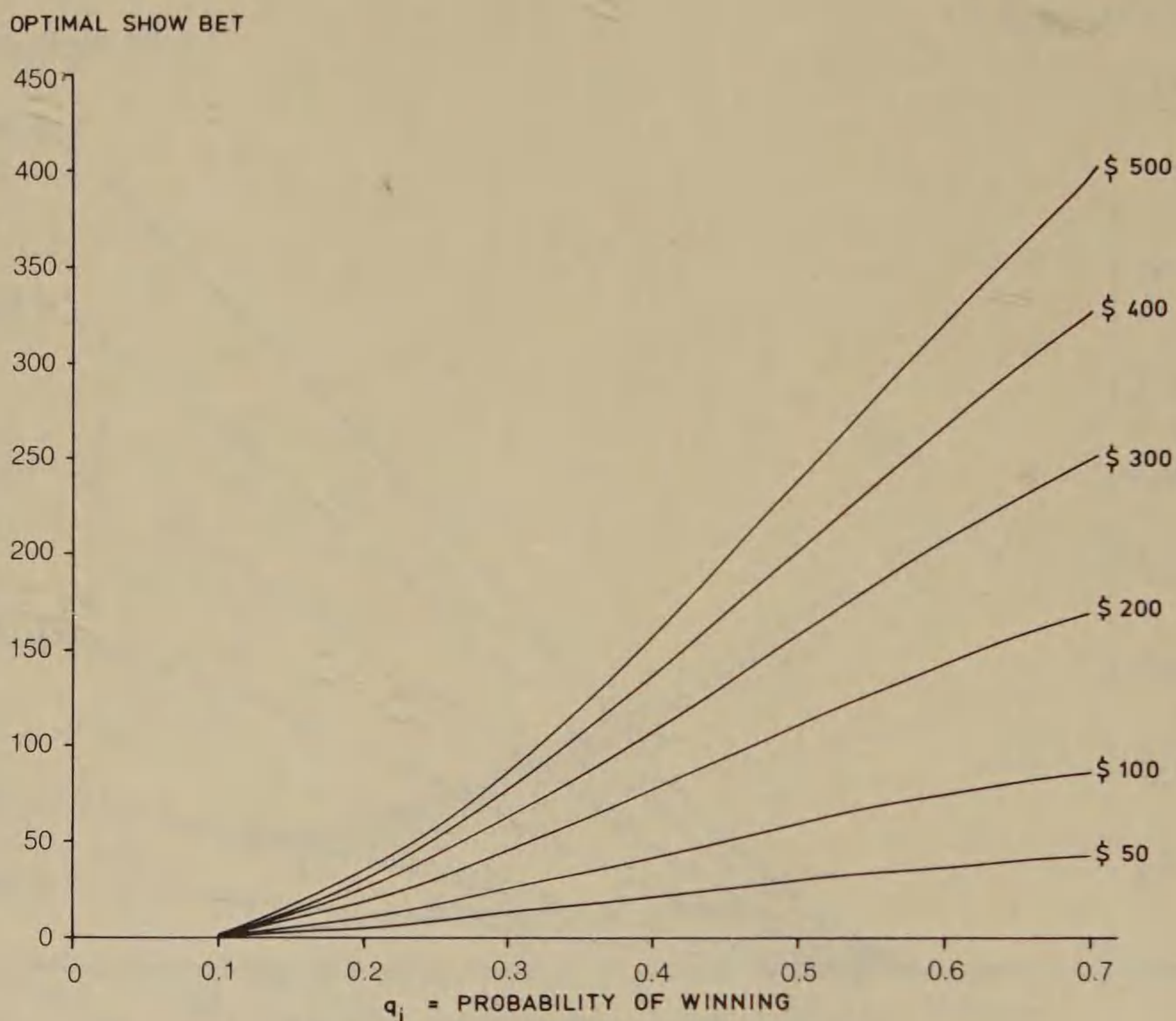


Figure 5.21 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.18 and the show pool is medium (\$6,000–\$29,999)

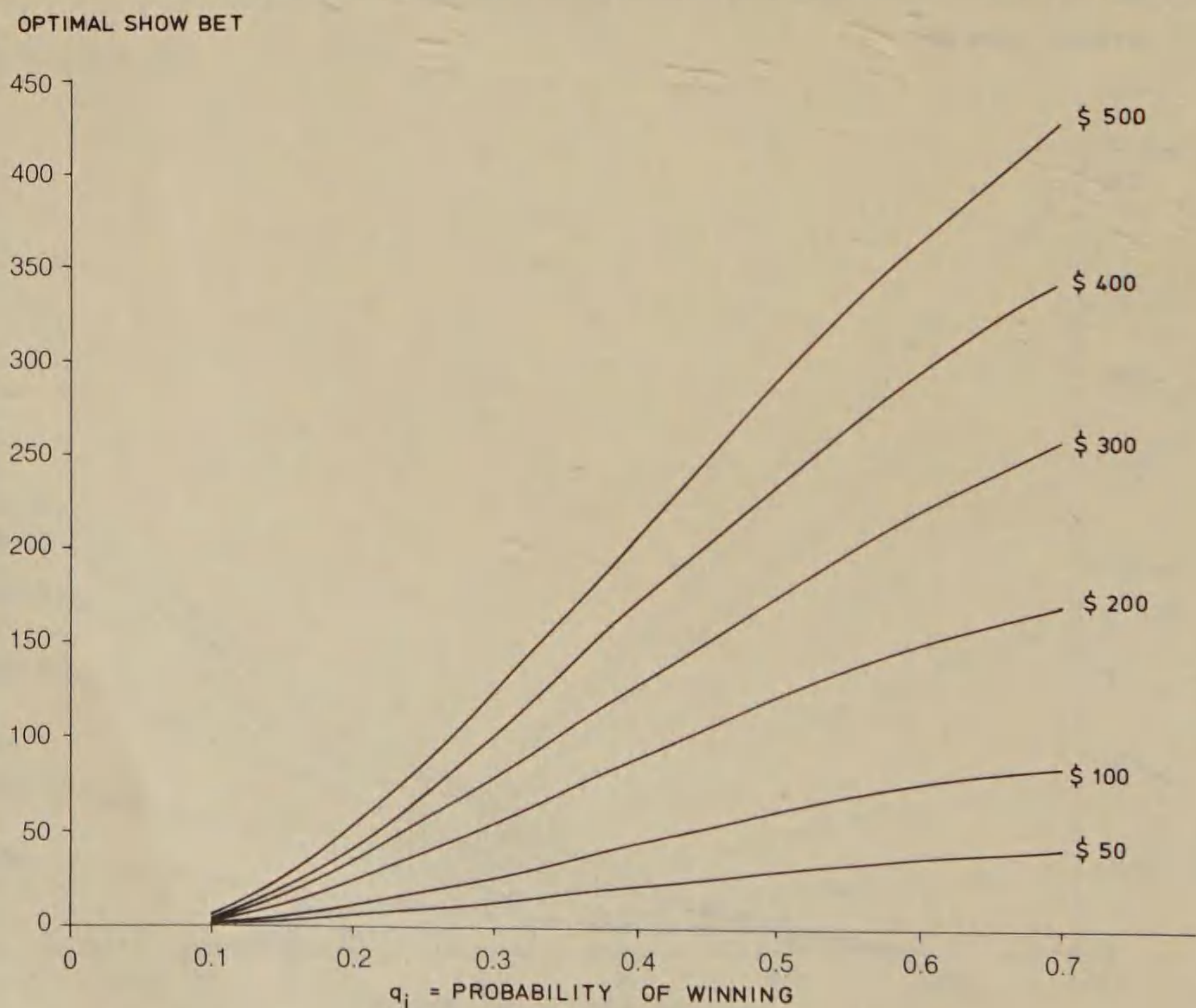


Figure 5.22 Optimal show bet for various q_i and betting-wealth levels when the expected return is 1.18 and the show pool is large (\$30,000 +)

We recommend the following betting procedure for determining and placing Dr. Z system bets.

1. Situate yourself so that you have a clear view of the tote board mutuels and are in a position to be able to place a bet near the end of the betting period. Most tracks have two or more tote boards. The one that is best to use is often the one farthest away from the finish line. Check to see how long the lines are in a few races so that you can judge how late you can wait before betting. The lines may be shorter in the clubhouse. If you are with a friend, one of you can be watching the tote board and the other holding a place in the betting-window lineup.

2. Start looking for possible Dr. Z system bets four to six minutes before post time or even earlier. Use the following charts to see how good a promising bet really is before you bet. Recheck it when you are ready to bet. Do not bet any sooner than necessary.

3. Figures 5.7–5.10 may be used to determine whether or not you should bet. If there is a possible place or show bet, you will need to look at only one figure. If you are considering a place bet and a show bet you will need to look at two figures. If you are at a top track with an expected-value cutoff of 1.14, use Figure 5.7 for place and Figure 5.9 for show. If you are at another track, use Figure 5.8 for place and Figure 5.10 for show.

To use these figures evaluate W_i/W for the horizontal axis and P_i/P or S_i/S for the vertical axis for place and show, respectively. If the point where the values intersect is *on or below the line* corresponding to the track payback of your track, then bet. If it is *above the line*, do not bet.

For example, consider a possible show bet on horse 3 at Churchill Downs. The expected-value cutoff is 1.14, so we use Figure 5.9. The track take is 15%, so the track payback is 0.85. Suppose $W_3 = \$50,000$ is bet on 3 to win, out of a total win pool of $W = \$100,000$, and $S_3 = \$20,000$ is bet on 3 to show, out of a show pool of $S = \$50,000$. Then $W_3/W = 0.5$ and $S_3/S = 0.4$. Since these numbers cross above the $Q = 0.85$ line, you do not bet. If instead $S_3 = \$15,000$, the $S_3/S = 0.3$, and you should bet since the numbers now cross below the $Q = 0.85$ line.

Now consider a possible place bet on horse 5 at Exhibition Park. The expected-value cutoff is 1.18, so we use Figure 5.8. The track take is 16.3%, so the track payback is about 0.84. Suppose $W_5 = \$10,000$, $W = \$30,000$, $P_5 = \$2,000$, and $P = \$12,000$. Then $W_5/W = 0.333$ and $P_5/P = 0.167$. Since these numbers cross below the $Q = 0.84$ line, you should bet.

4. Figures 5.11–5.22 may be used to determine how much you should bet. Again, you consult one figure for each possible bet.

To use these figures, first evaluate $q_i = W_i/W$ for the horizontal axis then read off the optimal Kelly bet on the vertical axis corresponding to the amount of your betting wealth. For example, for the show bet on horse 3

at Churchill Downs with an expected-value cutoff of 1.14 and a large show pool of \$50,000, we use Figure 5.19. Since $q_3 = W_3 / W = \$50,000 / \$100,000 = 0.5$, the optimal bet with a betting fortune of \$300 is about \$170; with a fortune of \$500 it is about \$275.

For the place bet on horse 5 at Exhibition Park, with an expected-value cutoff of 1.18 and a medium-sized place pool of \$12,000, we use Figure 5.15. Since $q_5 = W_5 / W = \$10,000 / \$30,000 = 0.333$, the optimal bet with a betting fortune of \$200 is \$36; with a fortune of \$50 it is \$10.

Let’s now look at some Dr. Z system bets on real races.

The First Race, Churchill Downs, Louisville, Kentucky, May 6, 1983

The actual payoff that you will receive from a Dr. Z system bet can vary greatly. Our main premise is that you should bet when the odds are favorable for you—that is, when the expected return per dollar bet is sufficiently high, say at least 1.14. In this and the next two sections, we show how the Dr. Z system was used when the payoff was expected to be (1) medium, as on Fern Creek in the first race at Churchill Downs on May 6, 1983; (2) small, as on C’est Moi Cheri in the sixth race at Hollywood Park on June 5, 1982; and (3) relatively large, as on B.C. Place in the King’s Favor Purse at Longacres on August 14, 1983. All these were outstanding bets. It is important that you understand that the expected return and not the expected payoff is the crucial concept for selecting good bets.

Fern Creek was a typical Dr. Z system bet. The program, past performances, experts’ selections, and chart of this race appear in the section “How Accurate is the Morning Line?” on page 31 in Chapter Three. The tote boards were as follows:

Totals		#7 Fern Creek	Expected Value per Dollar Bet on Fern Creek to Show ^a	Optimal Bet to Show on Fern Creek ^a
With six minutes to post time				
Odds		4—1		
Win	96,028	15,563		
Show	37,193	3,549	1.24	
With two minutes to post time				
Odds		4—1		
Win	118,803	19,230		
Show	45,209	4,163	1.26	28

^aSince the track take in Kentucky is 15% for thoroughbreds, the expected value per dollar bet on Fern Creek to show using equation (4.6) is ►

With the detachable cards, a quick check of Figure 5.9 (the track take in Kentucky is 15%) with $q_i = 0.1619$ and $S_i/S = 0.092$ indicates a Dr. Z bet should be made. Figure 5.22 suggests a bet of \$24.* The final tote board values were

*The detachable cards give the optimal bet when the expected return to show is 1.14 or 1.18. Fern Creek, however, has an expected return of 1.26. This difference explains why the “true” optimal bet using equation (5.5) is higher than the “conservative” optimal bet from the cards. When one is using a 1.14 cutoff and the expected value greatly exceeds this value, it is better to use the 1.18 card instead—it will give a more accurate bet. By keeping to the 1.14 card, your bet will be more conservative and smaller.

$$\begin{aligned}
 \text{► EX Show Fern Creek} &= \underbrace{0.543 + 0.369 \left(\frac{19,230/118,803}{4,163/45,209} \right)}_{\text{Ordinary expected value}} \\
 &\quad + \underbrace{(3.60 - 2.13) \left(\frac{19,230}{118,803} \right) (0.85 - 0.829)}_{\text{Correction for track-take departure from 17.1\%}} \\
 &= 1.19 + 0.07 \\
 &= 1.26.
 \end{aligned}$$

This indicates that we expect to make 26%, on average, by betting on Fern Creek to show.

With our betting fortune of \$500 the optimal bet was \$28. This bet can be calculated using equation (5.5), as follows:

$$\begin{aligned}
 \text{Show bet} &= \left[131 + 2,150q_i^2 - 1,778q_i^3 - \left(\frac{150}{q_i S/S_i - 0.70} \right) \right] \left(\frac{S - 6,000}{94,000} \right) \\
 &\quad + \left[86 + 1,516q_i^2 - 968q_i^3 - \left(\frac{90.7}{q_i S/S_i - 0.85} \right) \right] \left(\frac{100,000 - S}{94,000} \right). \tag{5.5}
 \end{aligned}$$

For Fern Creek, $q_i = 19,230/118,803 = 0.1619$, $S_i = 4,163$, and $S = 45,209$. Hence

$$\begin{aligned}
 \text{Show bet} &= \left[131 + 2,150(0.1619)^2 - 1,778(0.1619)^3 \right. \\
 &\quad \left. - \left(\frac{150}{(0.1619)(45,209)/(4,163) - 0.70} \right) \right] \left(\frac{45,209 - 6,000}{94,000} \right) \\
 &\quad + \left[86 + 1,516(0.1619)^2 - 968(0.1619)^3 \right. \\
 &\quad \left. - \left(\frac{90.7}{(0.1619)(45,209)/(4,163) - 0.85} \right) \right] \left(\frac{100,000 - 45,209}{94,000} \right) \\
 &= (131 + 56.4 - 7.6 - 141.8)(0.417) + (86 + 39.7 - 4.1 - 99.9)(0.583) \\
 &= 15.8 + 12.7 \\
 &= \$28.50.
 \end{aligned}$$

*The Sixth Race, Hollywood Park, Inglewood,
California, June 5, 1982*

C'est Moi Cheri was a Dr. Z system bet in the sixth race at Hollywood Park on June 5, 1982. Near post time the tote board was as follows:

	Totals	#7 C'est Moi Cheri	Expected Value per Dollar Bet on C'est Moi Cheri to Show ^a	Optimal Bet to Show on C'est Moi Cheri ^a (\$)
Odds		1—1		
Win	335,698	136,125		
Show	56,841	12,284	1.29	213

^aFrom equation (4.6), the expected value per dollar bet to show on C'est Moi Cheri is

$$\begin{aligned} \text{EX Show C'est Moi Cheri} &= 0.543 + 0.369 \left(\frac{136,125/335,698}{12,284/56,841} \right) \\ &\quad + (3.60 - 2.13) \left(\frac{136,125}{335,698} \right) (0.85 - 0.829) \\ &= 1.23 + 0.06 \\ &= 1.29. \end{aligned}$$

Thus with California's 15% track take, we expect to make 29%, on average, betting on C'est Moi Cheri. The optimal bet using equation (5.5) is

$$\begin{aligned} \text{Show bet C'est Moi Cheri} &= \left[131 + 2,150(0.4055)^2 - 1,778(0.4055)^3 \right. \\ &\quad \left. - \left(\frac{150}{(0.4055)(56,841)/(12,284) - 0.70} \right) \right] \left(\frac{12,284 - 6,000}{94,000} \right) \\ &\quad + \left[86 + 1516(0.4055)^2 - 968(0.4055)^3 \right. \\ &\quad \left. - \left(\frac{90.7}{(0.4055)(56,841)/(12,284) - 0.85} \right) \right] \left(\frac{100,000 - 12,284}{94,000} \right) \\ &= \$213, \end{aligned}$$

since $q_i = 136,125/335,698 = 0.4055$, $S = 56,841$, and $S_i = 12,284$.

Figure 5.9, with $q_i = 136,125/335,698 = 0.4055$ and $S_i/S = 12,284/56,841 = 0.2161$, indicates that a Dr. Z bet should be made. Since $q_i = 0.4055$, Figure 5.19 indicates that the optimal bet with a betting wealth of \$500 is \$184. (Using Figure 5.22 with the 1.18 cutoff, we get an optimal bet of \$208.)

C'est Moi Cheri was a wire-to-wire winner, beating the second-place finisher Kiss 'Em Goodbye by $4\frac{1}{2}$ lengths. Visual Emotion took third. The

Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.



Trackman, Warren Williams

HOLLYWOOD PARK

Selections Made for Fast Track

TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
6	NAN'S DANCER C'EST MOI CHERI JUNE THREE	NAN'S DANCER C'EST MOI CHERI KISS 'EM GOODBYE	C'EST MOI CHERI NAN'S DANCER JUNE THREE	NAN'S DANCER C'EST MOI CHERI KISS 'EM GOODBYE	C'EST MOI CHERI NAN'S DANCER JUNE THREE	NAN'S DANCER C'EST MOI CHERI JUNE THREE
						19 16 3

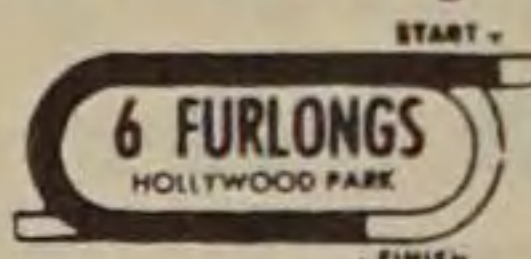
Analyst's Hollywood Comment

SIXTH RACE

- 1—C'Est Moi Cheri
- 2—Nan's Dancer
- 3—June Three

C'EST MOI CHERI is a half sister to the quick Cheri Meri and she seems to have inherited that ability to ramble. She's had 14 works since Jan. 28, the best being 1:00 4/5, :35 3/5b, :59, :58 2/5, :34 1/5, 1:00hg, 1:10 2/5, 1:11 1/5 and 1:00. She'll be tough to catch at first asking. NAN'S DANCER found her running legs last out when she was beaten a neck by the promising Miss Elea in 1:22 3/5 for 7 panels. If the top filly needs the outing she'll be extremely hard to handle. Mandella debuts JUNE THREE, and the trainer has a good percentage of wins with first-timers.

6th Hollywood



6 FURLONGS. (1.07%) MAIDEN. Purse \$17,000. Fillies and mares. 3-year-olds and upward. Weights, 3-year-olds, 115 lbs.; older, 122 lbs.

Golden Lady Belle

Own.—Di Baffi Stable

Ch. f. 3, by Golden Eagle II—Baffi's Lady, by Petrone
Br.—Pernicano G J (Cal) 1982 0 M 0 0
Tr.—Rose Larry 1981 0 M 0 0
Lifetime 0 0 0 0
Jun 4 Hol 3f ft :36² hg May 29 Hol 5f ft 1:02¹ hg May 19 Hol 5f ft 1:04 hg May 11 Hol 5f ft 1:01¹ h

Visual Emotion

Own.—Jones B C

Ch. f. 3, by King Emperor—Join the Waves, by Sailor
Br.—Jones B C (Ky) 1982 1 M 0 0
Tr.—Russell John W 1981 0 M 0 0
Lifetime 1 0 0 0

29May82-6Hol 6f :214 :45 1:102ft 26 114 89¹ 916 9101012 ShoemakerW10 @Mdn 73 RiseDePie,FoxyTmmie,BellePrieus 10
May 25 Hol 5f ft 1:01¹ h May 19 Hol 6f ft 1:18 h May 13 Hol 5f ft 1:01⁴ hg May 7 Hol 6f ft 1:14¹ h

Real Notion

Own.—Groves F N (Lessee)

B. f. 3, by Torsion—Bekky's Star, by Dark Star
Br.—McLean-Robbins-Fonzzone (Ky) 1982 7 M 1 0 \$5,450
Tr.—Sullivan John 1981 3 M 0 0 \$800
Lifetime 10 0 1 0 \$7,250

22May82-4Hol 7f :224 :454 1:223ft 25 114 41¹ 31¹ 33 47¹ Castaneda M4 @Mdn 77 MissElea,Nn'sDncr,LedingAdvocte 7
9May82-4Hol 1¹/₂ :464 1:113 1:432ft 12 114 75 65 67¹ 71⁷ DelahoussyeE6 @Mdn 61 Broadtail,Fndngerin,VoodooQueen 10
21Apr82-6SA 1¹/₂ :462 1:11 1:432ft 47 117 87¹ 75¹ 55¹ 46¹ Valenzuela PA4 @Mdn 78 Nncy'sBby,BillyKnockn,Comptbilty 12
10Apr82-4SA 1¹/₂ :462 1:111 1:434ft 24 117 2¹ 31 52¹ 76¹ Valenzuela PA3 @Mdn 75 GreySusan,Comptability,Fostoria 9
13Feb82-4SA 1¹/₂ :471 1:121 1:444ft 10 117 65¹ 78 61¹ 71² DelahoussyeE2 @Mdn 65 Permeability,HastyNijinsky,Celind 12
31Jan82-3SA 6f :214 :443 1:093ft 3¹/₂ 117 78¹ 77¹ 69¹ 57¹ DelahoussyeE4 @Mdn 82 SweetMystery,Celinda,HwiinShke 12
17Jan82-3SA 6f :214 :452 1:111ft 8¹/₂ 117 85¹ 54¹ 3nk 2nk DelahoussyeE4 @Mdn 82 RgingStorm,RelNotion,SlutToLov 12
9Dec81-6Hol 6f :22 :461 1:12 ft 7 117 54¹ 53 56¹ 58¹ Toro F4 @Mdn 68 Melinda's Plum, Visto,CitizenKate 11
1Nov81-3SA 6f :22 :444 1:101ft 43 116 65¹ 64¹ 63¹ 53¹ DelahoussyeE1 @Mdn 84 Vihava,Marie'sFastLass,HwiinShke 8
20Oct81-6SA 6f :221 :454 1:111ft 86 115 98 81¹ 81¹ 81² DelahoussyeE7 @Mdn 70 EnglishGirl,PyOrPly,GloriousGren 11
May 31 Hol 4f ft :514 h May 19 Hol 4f ft :52¹ h May 7 Hol 4f ft :48⁴ h May 1 Hol 4f ft :47¹ h

My Native Princess

Own.—Littlest Ranch Inc

B. f. 3, by Our Native—Marching Melody, by Go Marching
Br.—Backer J W (Ky) 1982 1 M 0 0
Tr.—Brunson Sam 1981 0 M 0 0
Lifetime 1 0 0 0

29May82-6Hol 6f :214 :45 1:102ft 81 115 55¹ 56¹ 65 75¹ Aragon J4 @Mdn 79 RiseDePie,FoxyTmmie,BellePrieus 10
May 22 Hol 5f ft 1:02¹ hg May 5 EP 4f ft :48¹ hg Apr 27 EP 6f ft 1:16⁴ hg

Kiss 'em Goodbye

Own.—Magee Mr or Mrs R W

B. f. 3, by Annihilate 'em—Free Guess, by Correlation
Br.—Greathouse L F (Ky) 1981 1 M 0 0
Tr.—Taliaferro Charles L
Lifetime 1 0 0 0

18Nov81-6Hol 6f :22 :45 1:103ft 14 117 43¹ 54 71³ 69 Sibille R9 @Mdn 75 FilomenGle,IrishBlld,Melind'sPlum 9
Jun 3 Hol 3f ft :35 hg May 29 Hol 6f ft 1:134 h May 22 Hol 6f ft 1:15¹ h May 18 Hol 5f ft 1:03¹ h

June Three

Own.—Sifton J

Dk. b. or br. f. 3, by Ramsinga—June Too, by Fleet Nasrullah
Br.—Stoneacres Farm (Man-C) 1982 0 M 0 0
Tr.—Mandella Richard 1981 0 M 0 0
Lifetime 0 0 0 0

Jun 1 Hol 4f ft :48² h May 26 Hol 7f ft 1:28³ hg May 19 Hol 6f ft 1:16¹ hg May 11 GD b.t. 6f ft 1:134 hg

C'Est Moi Cheri

Own.—Kirkorian B & Lynn

Dk. b. or br. f. 3, by Don B—Oui Oui Cheri, by Bar le Duc
Br.—Warton J (Fla) 1982 0 M 0 0
Tr.—Cleveland Gene 1981 0 M 0 0
Lifetime 0 0 0 0

May 30 Hol 5f ft 1:004 h May 25 Hol 3f ft :35³ b May 9 Hol 5f ft :59 h May 4 Hol 5f ft :58² h

Nan's Dancer

Own.—Bolas G A

B. f. 3, by Marshua's Dancer—Film Festival, by Spring Double
Br.—Tackett P (Ky) 1982 2 M 1 0 \$3,825
Tr.—Rettele Loren 1981 0 M 0 0
Lifetime 2 0 1 0 \$3,825

22May82-4Hol 7f :224 :454 1:223ft 3¹/₂ 114 2nd 1st 1st 2nk McCarron C J1 @Mdn 84 MissElea,Nn'sDncr,LedingAdvocte 7
15May82-6Hol 6f :214 :443 1:102ft 27 115 11131015 78¹ 53¹ Black K7 @Mdn 82 Native Gal, RiseDePie,FallenAngel 12
Jun 3 Hol 3f ft :36³ h May 29 Hol 5f ft :594 h May 11 Hol 6f ft 1:123 h May 5 Hol 5f ft 1:014 h

payoff for show for C'est Moi Cheri was a smashing \$3.40. She paid \$3.60 to place and \$4.00 to win. The bet of \$208 returned \$353.60, for a profit of \$145.60.* The chart of the race was as follows:

*Our actual bet of \$213 returned \$362.10, for a \$149.10 profit.

SIXTH RACE

Hollywood

JUNE 5, 1982

6 FURLONGS. (1.07½) MAIDEN. Purse \$17,000. Fillies and mares. 3-year-olds and upward. Weights, 3-year-olds, 115 lbs.; older, 122 lbs.

Value of race \$17,000, value to winner \$9,350, second \$3,400, third \$2,550, fourth \$1,275, fifths \$212.50 each. Mutuel pool \$521,071.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1
	C'Est Moi Cheri		3 115	7	4	11	13½	13½	14½	Sibille R	1.00
18Nov81 6Hol6	Kiss 'em Goodbye		3 116	5	1	42	3½	34	2nd	Black K	10.90
29May82 6Hol10	Visual Emotion		3 115	2	5	3½	21	22	34½	Olivares F	52.60
22May82 4Hol2	Nan's Dancer		3 115	8	7	76	6½	41	4nd	McCarron C J	1.50
22May82 4Hol4	Real Notion	b	3 115	3	3	6½	73	72	5	Castaneda M	18.20
29May82 6Hol7	My Native Princess	DH	3 115	4	6	5hd	5hd	5hd	53	McHargue D G	25.80
	Golden Lady Belle		3 115	1	8	8	8	8	7nk	Ortega L E	59.60
	June Three	b	3 115	6	2	21	42	61	8	Toro F	8.80

DH—Dead heat.

OFF AT 4:46. Start good. Won handily. Time, :22, :44½, :57, 1:10 Track fast.

\$2 Mutuel Prices:

7-C'EST MOI CHERI 4.00 3.60 3.40

5-KISS 'EM GOODBYE 7.60 5.00

2-VISUAL EMOTION 9.80

Dk. b. or br. f, by Don B—Oui Oui Cheri, by Bar le Duc. Trainer Cleveland Gene. Bred by Warton J (Fla).

C'EST MOI CHERI sprinted clear without need of urging, drew away to a long lead into the stretch, was reminded of her task with one crack of the whip at midstretch, and steadily drew away in hand. KISS 'EM GOODBYE, well-placed throughout, was no match for the winner but closed gamely to edge VISUAL EMOTION for the place. The latter moved nearest the winner at the far turn and flattened out in the final furlong. NAN'S DANCER stayed to the outside around the far turn and showed little punch from the middle of the track. REAL NOTION showed nothing. MY NATIVE PRINCESS lugged in throughout and finished on even terms with REAL NOTION. GOLDEN LADY BELLE was outrun. JUNE THREE tired badly.

Owners— 1, Kirkorian B & Lynn; 2, Magee Mr or Mrs R W; 3, Jones B C; 4, Bolas G A; 5, Groves F N (Lessee); 6, Littlest Ranch Inc; 7, Di Baffi Stable; 8, Sifton J. Overweight: Kiss 'em Goodbye 1 pound.

The King's Favor Purse, Longacres, Renton,
Washington, August 14, 1983

B. C. Place was a Dr. Z system bet in the seventh race, the King's Favor Purse at Longacres on August 14, 1983. One minute before post time the tote board was as follows:

	Totals	#4 B. C. Place	Expected Value per Dollar Bet on B. C. Place ^a	Optimal Bet to Show on B. C. Place ^a (\$)
Odds		7—2		
Win	31,422	5,583		
Show	16,101	1,785	1.17	9

^aFrom equation (4.6), the expected value per dollar bet on B. C. Place was

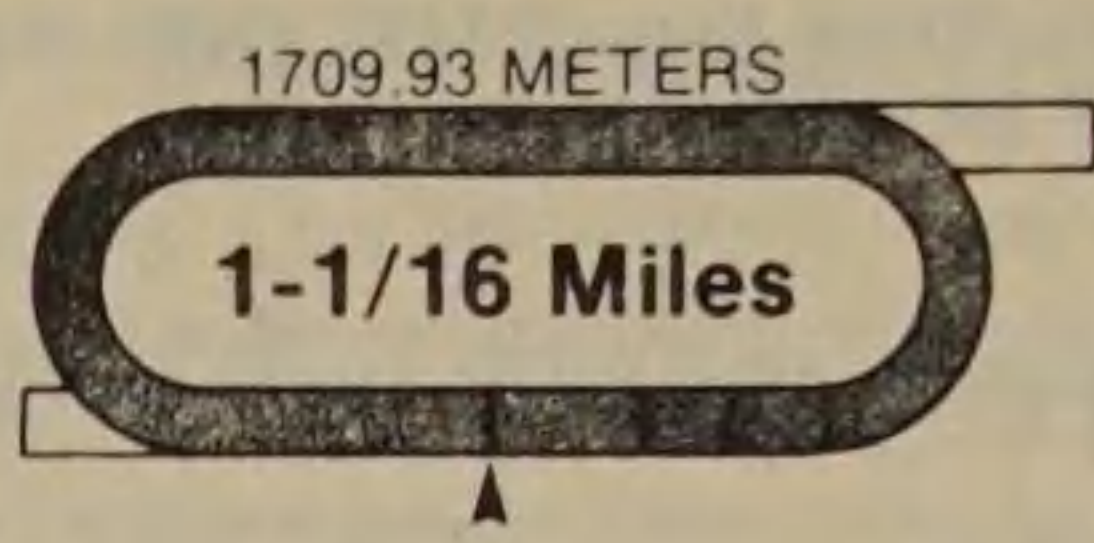
EX Show B. C. Place = 0.543 + 0.369 $\left(\frac{5,583/31,422}{1,785/16,101}\right)$

+ $\left[(3.60 - 2.13) \left(\frac{5,583}{31,422}\right)\right] (0.84 - 0.829)$

= 1.13 + 0.04

= 1.17.

Thus with Washington's 16% track take we expect to make 17%, on average, betting on B. C. Place. The optimal bet for a betting wealth of \$500 calculated using equation (5.5) is \$9, since $q_i = 5,583/31,422 = 0.1777$, $S = 16,101$, and $S_i = 1,785$.



WIN	PLACE	SHOW

SEVENTH

KING'S FAVOR PURSE

PURSE \$7,000. FOR THREE-YEAR-OLDS. 120 lbs. Non-winners since April 26, 3 lbs. Non-winners in 1983, 6 lbs. Claiming price \$20,000. (Races for \$16,000 or less not considered).
Track Record—EAGLE CREST (4) 114—1:39 4/5 ONE MILE AND ONE-SIXTEENTH

	OWNER		TRAINER	JOCKEY
1	G. M. Stable Flame orange, black sash GM on front, flame orange cap TUSA Ch. c. 3 Kentuckian—Shesarunner (WA)	120	Eugene Zeren	6 Mike James
2	Larry Schneider Silver, white sleeves, matching cap MOONSHINE WAY Br. g. 3 Noholme Way—She Shine (WA)	114	Brad Taylor	3 Gary Baze
3	Ben Harris Red & white, H on back, red & white cap SATUS WAY Br. g. 3 Noholme Way—Satus Lady (WA)	114	Owner	20 Dale Baze
4	C. A. Roberts Black, pink ROBERTS on back, black cap B. C. PLACE B. c. 3 Mark Place—Sex Place (CAN)	117	Cy Anderson	6 Paul Nicolo
5	Corky VanOsten Royal blue, blue diamond in white star, gold trim, matching cap RUSHIN' IN Ch. g. 3 Sibirri—Daurna (WA)	114	Eugene Stallings	20 J. W. Mills
6	K & L Stables Orange, K & L shield on back, orange cap PREDICATION Br. c. 3 Pretense—Madame Axe (CA)	120	Craig Roberts	8/5 Martin Pedroza
7	Dr. & Mrs. W. W. Lien White, multicolored polka dots, matching cap COUNT ON ZU B. g. 3 Zulu Tom—Count on Sue (WA)	114	N. E. Norton	15 Gary Stevens
8	W. L. Hooper Light blue, multicolored polka dots, light blue cap COLONEL JERRY Ch. g. 3 Big Stir—Feathers Sue (WA)	114	Ladonna Damron	4 Jerry Pruitt

Declared: RIP ADHEM

Latest Workout: TUSA—Aug. 13, 3/8, :37 Lga Ft.

CLOCKER'S SELECTION: 6-2-8

Count On Zu

114

B. g, 1980, by Zulu Tom—Count On Sue, by Eastern Flier.
Breeder, Dr.-Mrs. Wm. W. Lien (Wash.). 1983. 6 2 0 1 \$7,095
Owner, Dr.-Mrs. W. W. Lien. Trainer, N. E. Norton. \$20,000 1982. 5 M 0 1 \$830
LIFETIME (thru 1982) 5 M 0 1 \$830

30Jly 83 7Lga 1¹/₆ :4731:1211:442ft 10 114 1210109³/₄ 711 69 StevnsG1 20000 68 C. W. Moss 114 John Day 12
17Jly 83 5Lga 6¹/₂f :213 :4421:163ft 27 114 129 1213109 62¹/₂ StvnsG10 20000 83 Nuncio 114 Der Bingo 12
8Jun83 6Lga 1¹/₆ :4641:1311:47 ft 2¹/₂ 114 59¹/₂ 42¹/₄ 22 1h StevenG3 16000 64 Count On Zu 114 C. W. Moss 7
3Jun83 5Lga 1¹/₆ :4731:1331:47 ft 5 114 48¹/₂ 34 41³/₄ 1no StevenG1 12500 64 Count On Zu 114 I'm Cricket 8
3Jun83—Bumped in stretch.
19May83 3Lga 6¹/₂f :221 :4531:182ft 3¹/₄ 120 1010 710 610 35¹/₂ AgnJ12 M12500 71 CatchAFool121 LittleClinker 12
4May83 4Lga 5¹/₂f :221 :4641:06 ft 7 120 85¹/₄ 88¹/₄ 88³/₄ 62¹/₄ ArgnJ1 M12500 81 Gulf King 120 Venture Bay 12
4May83—Steadied at 7-16 pole.
21Oct82 4Lga 6¹/₂f :213 :45 1:174sy 12 120 1017 819 612 45 KwlsL5 M16000 75 LetsGoDtch120 MornngEagle 12
7Oct82 4Lga 1 :4811:1431:431m 20 120 76³/₄ 57 46 33 KnwlL5 M16000 50 WhereWasIt120 ExtraExclsiv 10
29Sep82 4Lga 1 :5011:18 1:464hy 10 120 912 811 66³/₄ 63¹/₂ KnwlL9 M12500 31 Whirlin Sterlin 120 R. Jesson 10
16Sep82 4Lga 6¹/₂f :222 :4541:193ft 14 120 11131017 713 64 KnwlL11 M8000 67 Battlestr120 PalouseLautrec 12
Aug 12 Lga 4f m :48²/₅h JULY 7 LGA 5F FT 1:00H June 29 Lga 5f ft 1:02bc

Colonel Jerry

114

Ch. g, 1980, by Big Stir—Feathers Sue, by Feathers.
Breeder, Mr.-Mrs. G. E. Morrison (Wash.). 1983. 9 0 3 2 \$4,822
Owner, W. L. Hooper. Trainer, LaDonna Damron. \$20,000 1982. 11 1 2 1 \$3,672
LIFETIME (thru 1982) 11 1 2 1 \$3,672

30Jly 83 7Lga 1¹/₆ :4731:1211:442ft 7¹/₄ 114 96¹/₄ 74³/₄ 54³/₄ 32¹/₂ PruittJ2 20000 74 C. W. Moss 114 John Day 12
24Jly 83 3Lga 1¹/₆ :4731:1211:441ft 5¹/₂ 114 33¹/₂ 3nk 111 2¹/₂ PruittJ5 16000 77 C.W. Moss 120 Colonel Jerry 9
24Jly83—Steadied at start.
10Jly 83 7Lga 6¹/₂f :213 :4431:16 ft 14 114 89 107³/₄ 815 77 WalesH2 25000 82 Hot Drums 120 Cookie Shoes 12
2Jly 83 8Lga 6f :222 :4531:102ft 33 117 52 41³/₄ 76¹/₄ 76³/₄ PrttJ9 Aw8000 77 More Action 120 Vitez 9
3Jun83 6Lga 6¹/₂f :22 :4511:171ft 7 114 68 57¹/₂ 56 56¹/₂ PruittJ2 25000 76 DncngDirctr120 HoHoCharlie 7
19May83 9Lga 6f :213 :4441:101ft 50 117 1012111211171115 PrttJ2 Aw8500 70 Steel Prince 117 Dr. Sea 12
29Apr83 9Lga 6f :22 :4521:111ft 5¹/₄ 117 57 49 38 32¹/₄ PrttJ4 Aw8000 78 Just For Bill 118 Dr. Sea 9
24Apr83 9YM 6f :234 :4831:17 hy 9¹/₄ 117 32 3¹/₂ 32 21¹/₂ HngwhR6 HcpS 56 Pic O'Morn 117 Colonel Jerry 7
17Apr83 8YM 5¹/₂f :221 :4531:04 ft 13 117 42¹/₂ 21¹/₂ 22 23¹/₂ HlwtR2 Aw1600 91 Muckledeedun120 ColonlJerry 6
27Nov82 9YM 1 :50 1:16 1:44 sl 30 123 75¹/₂ 42¹/₂ 53 814 Dahlqst1 HcpS 42 Satus Way 121 Fleet Spud 10
20Nov82 9YM 6f :22 :47 1:153m 9-5 122 75¹/₄ 45 65 612 DlqtT4 Aw1200 55 JudgesLast117 IdiaBallofFire 9
Aug 10 Lga 5f ft 1:01³/₅b July 22 Lga 3f ft :35²/₅hc June 29 Lga 5f ft 1:01³/₅b

Figure 5.9, with $q_i = 0.1777$ and $S_i/S = 1,785/16,101 = 0.1109$, indicates that a show bet should be made. Since $q_i = 0.1777$, Figure 5.18 indicates that the optimal bet with a betting wealth of \$500 is \$15.

At post time the tote board was as follows:

		#4	Expected Value
Totals		B. C. Place	per Dollar Bet on B. C. Place
Odds			7—2
Win	38,816	6,886	
Show	19,172	2,286	1.13

Colonel Jerry grabbed the early lead and was a wire-to-wire winner. Rushin' In took second, and B. C. Place was third. The show payoff of \$4.40 on B. C. Place resulted in a return of \$33 for the \$15 bet, or an \$18 profit.* The chart of the race was

*Our \$9 returned \$19.80, for a \$10.80 profit. In most cases the charts give conservative betting values slightly less than the true optimal value. However, for some small bets the charts indicate a slightly larger bet.

SEVENTH RACE

Lga

Aug. 14, 1983

Value to winner, \$3,850; second, \$1,330; third, \$1,015; fourth, \$630; fifth, \$175. Mutuel Pool, \$82,525. Exacta Pool, \$143,738.

1 1-16 MILES. (1:39⁴/₅). CLAIMING. Purse, \$7,000. 3-year-olds. Weight, 120 lbs. Non-winners since April 26 allowed 3 lbs.; non-winners in 1983, 6 lbs. (Races for \$16,000 or less not considered.) Claiming price, \$20,000.

Last Raced	Horses	Eqt	AWt	PP	St	¼	½	¾	Str	Fin	Jockeys	Owners	Odds to \$1
30Jly 83	7Lga ³ Colonel Jerry	b3	114	8	4	43½	23	12	15	14	PruittJ	W L Hooper	3.60
30Jly 83	7Lga ⁸ Rushin' In	3	114	5	2	22	31½	31	24	26½	MillsJW	C Vanosten	24.80
1Aug83	8EP ² B. C. Place	3	117	4	3	3h	41½	43	41½	32½	NicoloP	C A Roberts	3.70
15Jly 83	1Lga ¹ Tusa	3	120	1	8	8	8	7h	75	41	JamesM	G M Stable	6.20
30Jly 83	7Lga ⁶ Count On Zu	3	114	7	6	61½	65	64	6½	5½	StevensG	Dr-Mrs W W Lien	14.75
6Aug83	8Lga ² Moonshine Way	3	119	2	5	54	51½	5½	31	64	BazeG	L Schneider	2.55
3Aug83	8Lga ⁹ Predication	3	120	6	1	12½	1h	21½	5h	7¾	PedrozaMA	K-L Stables	4.10
30Jly 83	7Lga ¹¹ Satus Way	b3	116	3	7	72	71	8	8	8	BazeD	B Harris	20.25

OFF AT 4:54. START GOOD. WON EASILY. Time, :23²/₅, :47²/₅, 1:12, 1:38¹/₅, 1:44⁴/₅. Track fast.

\$2 Mutuel Prices {

8-COLONEL JERRY 9.20 4.10 3.20

5-RUSHIN' IN 16.60 8.10

4-B.C. PLACE 4.40

\$5 EXACTA (8-5) PAID \$326.50.

Ch. g, by Big Stir Feathers Sue, by Feathers. Trainer, Ladonna Damron. Bred by Mr.-Mrs. G. E. Morrison (Wash.).

The Beat the Racetrack Calculator™

At the racetrack, Figures 5.7 to 5.10 can be used to determine whether or not a given bet to place or show has an expected value of at least 1.14 or 1.18 and thus qualifies as a Dr. Z system bet. For a place bet one simply computes the ratios W_i/W and P_i/P for the horse in question and determines if the intersection of these numbers is above (do not bet) or on or below (bet) the appropriate track-take line. For a show bet you use W_i/W and S_i/S . Similarly, Figures 5.11 to 5.22 can be used to determine how much to bet to place or show with 1.14 or 1.18 the expected-value cutoffs. From the horizontal axis you read off the optimal bet corresponding to a given probability of winning $q_i = W_i/W$ and your betting-wealth level, using the figure corresponding to the mutuel pool size where the race is being run. These values are approximate, but quite usable. When they err, it is usually on the conservative side, suggesting slightly lower bets than is optimal.

The Beat the Racetrack Calculator™ automatically takes into account factors such as your betting wealth, the track take, the size of the mutuel pools, and whether an entry is present. The aim of the Beat the Racetrack Calculator™ is to enable you to perform the calculations you need to evaluate a possible bet as quickly, accurately, and simply as possible. You are then free to watch the tote board and evaluate possible bets as post time nears. Your evaluation of a particular bet should take less than a minute.

The BTR calculator is a plug-in ROM for use with the Hewlett Packard HP41C, HP41CV, or HP41CX calculator. the ROM and HP41C calculator and instructions are available in selected outlets for \$295.00 (\$369.00 Canadian)—prices valid through 1985. For information write to: Dr. Z Investments, Inc., P.O. Box 35334, Los Angeles, CA 90045. For those who already have an HP41 series calculator, the ROM and instructions are available for \$140.00 (\$175.00 Canadian). (The publisher makes no warranties concerning this offer. Please refer all inquiries to the address noted above.)

CHAPTER 6

Using the Dr. Z System at the Racetrack



Now that you have a basic understanding of our approach to winning at the racetrack using Dr. Z system bets, we can show you how it is used in typical betting situations. We describe eight races at six different tracks in California, British Columbia, New York, Kentucky, and Washington.

I was at the track when these races were run. This is the usual application of the Dr. Z system. However, betting on races being run in other locales is becoming more and more popular. We discuss this type of betting in Chapter Seven.

Most of the Dr. Z system bets are on horses to show. There are occasional place bets. In some situations you make bets to show on two different horses or to place and show on the same horse. A race at Exhibition Park and the Santa Ynez Stakes at Santa Anita described here provide examples of the latter situations. (Chapter Nine provides details on the relative distribution of the various types of Dr. Z system bets.)

The Sixth Race and the Triple Bend Handicap, Hollywood Park, Inglewood, California, May 8, 1982

Southern California boasts three of the nation's top tracks: Santa Anita Park in Arcadia near the Pasadena Rose Bowl, Del Mar near San Diego, and

Hollywood Park in Inglewood near the Forum sports arena just south of the city. These tracks alternate their seasons, so top quality racing is available all year to the millions of racing fans in the area. Top jockeys, such as Chris McCarron, Sandy Hawley, Eddie Delahoussaye, Bill Shoemaker, Walter Guerra, Darrell McHargue, and Laffit Pincay, Jr., ride there regularly for the nation's highest purses on extraordinary, high-quality thoroughbreds. The fair weather brings huge crowds to the tracks and the relative wealth of the area results in extremely high betting pools. For example, typically 30,000 people bet over \$5 million daily at Santa Anita Park. On opening day and occasions with major stakes races, the crowd can swell to well over 50,000 and the handle to nearly \$10 million.

Such conditions are very good for Dr. Z system bettors. The track is usually fast. The quality of horses and jockeys is such that there is a large percentage of races that are run true-to-form—that is, more or less as expected. The large pools mean that Dr. Z system bets placed near the end of the betting period can be made in substantial amounts without depressing the place or show odds too much.

In May 1982, I was a visiting professor at UCLA. Since Hollywood Park was only a scant half-hour drive on the San Diego freeway from our home in West Los Angeles, it was easy to visit. Most Saturdays and Sundays have major races with purses of \$50,000 or more. These draw the top horses and both the spectacle and the investment possibilities make for a very enjoyable afternoon.

Saturday, May 8, 1982, was clear and warm and featured the \$50,000 added Triple Bend Handicap. It was a good day to visit Hollywood Park. On that day there were two Dr. Z system bets, and they both won. As we have previously stated, two to four Dr. Z system bets per day is about typical. On average, Dr. Z system bets win about 60% of the time. Chapter Nine provides a more detailed discussion of these win rates.

The sixth race was a maiden race for three-year-olds and upward for a purse of \$18,000. Maiden races are for horses that have never won a race in their career and hence are largely unproven. One must use extreme caution in betting on such races. Swing Till Dawn was making his first start, a situation that calls for even more caution. However, his pedigree and workouts were outstanding. This colt had the promise to be something special. The rest of the field was quite weak except for the second and third choices of the crowd: The Hague and Colonialism. Chris McCarron, the meet's leading jockey, was in the irons of Swing Till Dawn. Chris's consistency and winning ways added a measure of confidence to the information provided by the consensus group of experts and the outstanding workouts.

Swing Till Dawn did look like a top prospect, but I would bet only if the odds were good enough! They were. With one minute to post time the tote board was as follows:

	Totals	#4 Swing Till Dawn	Expected Value per Dollar Bet on Swing Till Dawn
Odds		7—5	
Win	339,272	116,637	
Place	131,740	33,380	1.11
Show	69,682	15,621	1.17

The expected value per dollar wagered on Swing Till Dawn was 1.11 to place and 1.17 to show. My betting fortune that day was \$1,000, so I did not bet to place, but wagered \$222 to show.*

At post time the situation was similar, and the final tote board was

	Totals	#4 Swing Till Dawn	Expected Value per Dollar Bet on Swing Till Dawn
Odds		7—5	
Win	350,246	119,896	
Place	137,398	34,816	1.11
Show	73,113	16,543	1.16

These values gave expected values to place and show of 1.11 and 1.16, respectively.

As expected, Swing Till Dawn won the race, followed by the long shot Beau Glacier. This provided a handsome \$4 place payoff on the 7—5 favorite, Swing Till Dawn. However, it was still not quite good enough to qualify as a Dr. Z system bet. The betting public’s second choice, The Hague, finished third. The fairly heavy betting to show on The Hague dropped Swing Till Dawn’s show payoff to \$2.80, which was still better than a typical show payoff for a 7—5 favorite. My bet of \$222 to show returned \$310.80, for a profit of \$88.80. The chart of the race was

*You may determine these expected values and optimal bet sizes in several ways. The equations given in Chapters Four, Five, and Sixteen or the calculator discussed on page 99 will calculate them exactly. The charts provided in Chapters Four and Five may be used to determine fairly accurate expected values and betting amounts. Detachable cards of these charts appear in the back of the book.

MAY 8, 1982

Value of race \$18,000, value to winner \$9,900, second \$3,600, third \$2,700, fourth \$1,350, fifth \$450. Mutuel pool \$560,757.

Last Raced		Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
2Apr82	6SA 4	Swing Till Dawn		3	114	4	1	1-1	1-1	1 1/2	2-4	1hd	McCarron C J	1.40
20Apr82	2SA 2	Beau Glacier		4	124	10	6	5-2 1/2	4 1/2	2-3 1/2	1hd	2hd	Hawley S	27.60
20Apr82	2SA 9	The Hague	b	3	117	7	9	6hd	6-3 1/2	5-2 1/2	3-3 1/2	3-3 1/2	Pincay L Jr	2.20
20Apr82	2SA 9	Fulardau		3	114	9	11	11-4	10-1 1/2	6-2	4-4	4-4 1/2	Valenzuela P A	29.20
1May82	6Hol 6	Wajima San		3	115	5	12	12	12	9-2	7 1/2	5hd	Pierce D	77.10
23Apr82	6Hol 2	Jasmine Prince		4	124	6	10	10-3	8-1	7-2 1/2	8-2	6-5	Guerra W A	7.70
25Apr82	6Hol 7	Crimson Axe	b	3	109	12	7	7-5	7-2 1/2	8-2	9-6	7 1/2	Steiner J J-5	138.10
25Apr82	6Hol 5	Discerner	b	3	114	2	8	4hd	5-2 1/2	4 1/2	6hd	8-1 1/2	Black K	61.90
25Apr82	6Hol 3	Colonialism		3	115	8	2	3-2	3hd	3-1	5hd	9-3 1/2	Sibille R	5.30
		Le Fur	b	3	114	1	4	9hd	9hd	10-1	10-3	10-5	Olivares F	16.00
4Apr82	3SA 12	Center Rural		3	115	3	3	8 1/2	11-2 1/2	12	11-3	11	McHarque D G	44.50
21Mar82	6SA	Rakkasan	b	3	114	11	5	2hd	2 1/2	11-3	12	-	Diaz A L	154.10

OFF AT 4:40. Start good. Won driving. Time, :23 2/5, :47 2/5, 1:12, 1:37 1/5, 1:44 Track fast.

\$ 2 Mutual Prices:

4-	SWING TILL DAMN.....	4.80	4.00	2.80
10-	BEAU GLACIER.....		14.40	6.40
7-	THE HAGUE.....			2.80

Gr. c, by Grey Dawn II-Swinging Lizzie, by The Axe II. Trainer Marikian Charles M. Bred by Jonabell Farm (Ky).

GLACIER in the upper stretch but came on again under strong handling and prevailed narrowly. The latter, unhurried early, moved up to force the issue outside the winner at the far turn, got the lead in the upper stretch but weakened slightly near the end. THE HAGUE, unhurried early, responded outside horses when roused on final turn, closed strongly in the middle of the track in the final sixteenth and just missed. FALARDEAU also rallied on the outside around the final turn but did not menace in the last sixteenth. JASMINE PRINCE was never dangerous. COLONIALISM was finished after six furlongs. CENTER RURAL was very wide. RAKASAN was finished early and was eased when hopelessly beaten in the stretch.

Owners- 1, McClure & Reagan; 2, Daniels Mrs T L; 3, Elmendorf; 4, Cashman E C; 5, Lauro-Arico-Chartier et al; 6, Blum Maribe

7, Fkda-Schlez-Shy-Stle; 8, Hunt H B; 9, ~~Sama~~ St-Vly Brdg-Ynk et al; 10, Baker H J; 11, Nakamura K; 12, Major Acres.

Trainers- 1, Marikian Charles H; 2, Cofer Riley S; 3, Mandella Richard; 4, Sullivan John; 5, Cole Peter; 6, Winick Randy;

Burn Thomas M Jr; 8, Rettele Loren; 9, Wheeler Lin; 10, Knight Chay R; 11, Doyle A T; 12, Hofman's David.

Overweight: The Hague 3 pounds; Walling San 1; Colonialism 1; Center Rural 1.
Scatched Quack Attack (9Apr82 6SA 8): Icon Axe (17Apr82 6SA 7): Timberjack (20Mar82 6SA 5)

7 FURLONGS
HOLLYWOOD PARK
A-FLUSH

7 FURLONGS. (1.19½) 4th Running of THE TRIPLE BEND HANDICAP. \$50,000 added. 3-year-olds and upward. By subscription of \$50 each, which shall accompany the nomination, \$500 additional to start, with \$50,000 added, of which \$10,000 to second, \$7,500 to third, \$3,750 to fourth and \$1,250 to fifth. Weights, Monday, May 3. Starters to be named through the entry box by closing time of entries. A trophy will be presented to the owner of the winner. Closed Wednesday, April 28, 1982, with 15 nominations.

Own.—Wygod M J

Dk. h. or br. h. S, by Never Bend—Table Flirt, by Round Table					
Br.—Wygod M J (Ky)	1982	3	2	1	\$24,200
Tr.—Mandella Richard	1980	0	M	0	0

[illegible]

Own.—Mevorach & Vallone

113	B. g. 8, by Gaelic Dancer—Moog, by Noor							
	Br.—Claiborne Farm (Cal)	1982	6	3	1	0		\$56,500
	Tr.—Frankel Robert	1981	14	6	2	1		\$144,250
	Lifetime 50 20 8 5	Turf	10	4	1	1		\$70,200

21Apr82-5SA	a6f Ⓢ:211 :4331:13 fm 3 115	31½ 32½ 33 1no	DelahoussayeE ⁴	75000	94 Fingal, Tellaround, Gray Dandy	12
4Apr82-2SA	6f :214 :443 1:152ft *4-5 115	54 42½ 1hd 12½	DelahoussayeE ⁵	60000	93 Fingal, Amen Brother, Tellaround	8
21Mar82-1SA	6f :214 :444 1:091ft *1 116	55¼ 43 32 11	DelahoussayeE ⁵	50000	92 Fingal, Incorporator, Beach Walk	8
21Feb82-5SA	a6f Ⓢ:212 :4311:13 fm*1-2 116	2hd 21 34 46	DelahoussayeE ⁴	62500	88 FrndlyUncAln,Incorptr,AmnBrthr	11
6Feb82-5SA	a6f Ⓢ:21 :4311:123fm*4-5 115	63¼ 67 34½ 23½	DelahoussayeE ⁴	70000	92 Gray Dandy, Fingal, Steelinctive	10
30Jan82-4SA	6f :212 :434 1:082ft *4-5e 118	98 910 66 42¾	DelahoussayeE ²	62500	93 MinstrelGrey,MrbbleCourt,Tellround	9
25Oct81-5SA	a6f Ⓢ:211 :4331:14 fm*4-5 120	34 35 31 54¼	McCarron C J ⁴	70000	85 Tellaround, Dandy Wit, Gray Dandy	8
11Oct81-7SA	6f :22 :451 1:10 ft *1 121	21 21½ 21½ 1nk	McCrro CJ ¹⁰ Aw	32000	88 Fingal, Marble Court, Sham'sFool	10
20Oct81-5SA	6f :22 :443 1:154ft *3-2 117	32½ 32 2hd 12	McCarronCJ ³ Aw	34000	91 Fingal, Double Discount, Parsec	5
22Aug81-7Dmr	1¾ Ⓢ:4631:11 1:421fm *3 116	1hd 1hd 23 77	DelahoussayeE ¹	80000	91 Sosegado, Me Good Man, Partout	10
May 6 Hol 3f ft :37' b	Apr 30 Hol 4f ft :47' h	Apr 15 SA 4f ft :49' h	Mar 29 SA 4f gd :48' h			

Own.—Sheridan Mr-Mrs J

	B. g. 3, by The Irish Lord—Yowee, by Crozier					
	Br.—Valenti P (Cal)	1982	4	3	1	\$92,750
110	Tr.—Vienna Darrell	1981	6	1	2	\$52,900
	Lifetime	10	4	3	1	\$145,650

May82-7Hol	6f :22 :442 1:083ft	*3-5 122	2hd 1hd 11 11 $\frac{1}{2}$	McCrronCJ ⁴ Debonair	94 RemmbrJohn,ArtDirctor,RingProud 5
31Mar82-8SA	6 $\frac{1}{2}$ f :213 :441 1:151ft	3 117	1 $\frac{1}{2}$ 1hd 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	DelhoussyeE ¹ Baldwin	94 RmmbrJohn,TmToExplod,CrystlStr 7
21Mar82-4SA	6 $\frac{1}{2}$ f :212 :44 1:152ft	*2-3 115	1 $\frac{1}{2}$ 11 13 15	DelhoussyeE ¹ Aw20000	93 RemembrJohn,ClticSbr,EstrSrmon 6
17Feb82-8SA	6f :212 :434 1:083ft	20 117	1hd 21 22 $\frac{1}{2}$ 23	DihoussyE ⁶ Blsa Chca	92 TmToExplod,RmmbrJohn,Jornyts 10
9Sep81-8Dmr	1 :453 1:111 1:372ft	10 117	1hd 1hd 51 $\frac{1}{2}$ 97 $\frac{1}{2}$	McCarronCJ ⁸ Dmr Fut	73 GatoDeISol,TheCaptain,RingProud 10
26Aug81-8Dmr	1 :454 1:103 1:364ft	6 $\frac{1}{2}$ 117	1 $\frac{1}{2}$ 11 $\frac{1}{2}$ 2hd 55 $\frac{1}{2}$	Toro F6 Balboa	78 TheCaptain,DistantHeart,GtoDeISol 9
12Aug81-8Dmr	6f :22 :45 1:11 ft	*4-5 120	1hd 1 $\frac{1}{2}$ 1hd 31	McCarronCJ ⁵ De Anza	82 King'sFinder,Heln'sBu,RmmbrJohn 5
29Jly81-8Dmr	6f :221 :452 1:104ft	*4-5 114	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 12 $\frac{1}{2}$ 11 $\frac{1}{2}$	McCrrCJ ⁵ [S]Gradution	84 RemmbrJohn,King'sFindr,DistntHrt 9
18Jly81-8Hol	6f :213 :444 1:102ft	19 115	2hd 2hd 1 $\frac{1}{2}$ 2hd	Toro F10 Hol Juv	85 TheCptin,RememberJohn,Hln'sBu 12
5Jly81-6Hol	6f :22 :453 1:112ft	*6-5e 116	69 57 $\frac{1}{2}$ 34 22 $\frac{1}{2}$	Toro F7 [S]Mdn	77 SweetndNturl,RmmbrJohn,Wicklow 11
Apr 29 Hol 3f ft :363 h	Apr 27 Hol 5f ft 1:012 h	Apr 24 SA 6f ft 1:133 h	Apr 19 SA 5f ft :58 h		

Rock Softly

Own.—Byrn—Ovis—Glsn—Nvk—Rsnbrg

115

B. g. 4, by Rock Talk—Softly, by Solo Landing

Br.—Retler Mr—Mrs R H (Md)

Tr.—Newsom Jesse C

Lifetime 35 5 7 6 \$251,675

1982 9 1 2 3 \$107,250

1981 21 4 5 1 \$138,625

Turf 13 1 3 1 \$66,725

18Apr82-7SA	1	:453	1:10	1:343ft	3½	120	33	2½	2½	1no	McCarronCJ ⁵	Aw40000	96	Rock Softly, Sir Dancer, Tell Again	8
28Mar82-7SA	1½	:451	1:084	1:411ft	*8-5	117	37½	59½	47½	34½	DelhoussyeE ⁴	Aw35000	90	Sunshine Swag, A Run, RockSoftly	8
20Mar82-8GG	1	Ⓢ:48	1:1221	1:364yl	9½	117	31½	86½	1014	1021	LamanceC ⁸ S F Mle H	62	Silveyville, Visible Pole, ASureHit	10	
6Mar82-7SA	1¼	Ⓢ:4521	0941	1:463fm	4½	119	57	54	42½	22	DelhoussyeE ⁴	Aw45000	92	Lake City, Rock Softly, Braughing	7
28Feb82-6SA	1½	:47	1:104	1:412ft	*2½	117	2hd	2hd	31½	2nk	DelhoussyeE ⁶	Aw40000	94	Egg Toss, Rock Softly, Western	6
21Feb82-8SA	1¼	Ⓢ:4341	1:34	1:591fm	18	116	68	44	46½	67½	Black K ¹⁰ Sra Nvda H	83	HighCounsel,HndsoneOn,IrishHrt	11	
7Feb82-8SA	1¼	:451	1:344	2:002ft	51	115	56½	54	47	37	Black K ⁸ C H Strub	80	It's the One, Dorcaro, Rock Softly	8	
17Jan82-8SA	1½	:452	1:092	1:473ft	36	114	66½	54½	32	35½	Black K ⁵ Sn Frndo	85	It's the One, Princelet, Rock Softly	9	
3Jan82-8SA	7f	:221	:454	1:26 hy	13	114	89½	813	716	416	Black K ² Malibu	54	Island Whirl, Shanekite, It'stheOne	8	
20Dec81-7Hol	7f	:22	:444	1:22 ft	3½	121	62½	3½	11	1½	Black K ³ Aw32000	87	RockSoftly,LaughingBoy,DustyHul	8	
May 5 Hol 4f ft :493 hq Apr 25 Hol 5f ft 1:054 h Apr 16 Hol tr.1 4f ft :523 h Apr 10 Hol tr.1 4f ft :52 h															

May 5 Hol 4f ft :493 hg

Apr 25 Hol 5f ft 1:054 h

Apr 16 Hol tr.t 4f ft :523 h

Apr 10 Hol tr.t 4f ft :52 h

Laughing Boy

Own.—Elmendorf

112

B. c. 4, by Shecky Greene—Pomade, by Prince John

Br.—Elmendorf Farm (Ky)

Tr.—Stidham Michael

Lifetime 21 4 5 0 \$76,150

1982 6 1 3 0 \$31,100

1981 12 2 2 0 \$37,975

Turf 3 0 1 0 \$7,100

29Apr82-8Hol	6f	:22	:443	1:082ft	*3-2	114	31½	2½	1½	12½	McCarronCJ ²	Aw26000	95	LaughingBoy,BeachWalk,Redoutble	7
17Apr82-5SA	a6½f	Ⓢ:212	:44	1:132fm	19	114	34½	32½	2½	22½	Hansen R D ¹	Aw32000	90	Captain Nick,LaughingBoy,Isopach	9
11Apr82-5SA	6½f	:22	:451	1:17 sy	*9-5	115	65½	65½	64½	73½	Toro F ⁶	Aw26000	82	Tellround,Redoutble,He'sSomthing	7
26Feb82-7SA	6f	:22	:444	1:084ft	9½	115	74½	52½	11½	2no	Toro F ¹	Aw26000	94	MisterWilder,LughingBoy,Tllround	7
13Feb82-5SA	6½f	:213	:442	1:161ft	7	115	88½	79½	55½	2nk	Toro F ⁴	Aw26000	89	Kearney,LaughingBoy,Mari'sBook	10
28Jan82-7SA	6½f	:212	:434	1:153ft	6	113	55½	45	42½	65½	Guerra W A ¹	Aw26000	86	Toooovprim,MistrWildr,Cloonwillin	7
20Dec81-7Hol	7f	:22	:444	1:22 ft	4½	114	52½	41½	41½	2½	McCarronCJ ¹	Aw32000	86	RockSoftly,LaughingBoy,DustyHul	8
9Dec81-7Hol	6½f	:221	:45	1:154ft	17	114	54½	32½	42½	42½	McCarronCJ ⁸	Aw25000	88	PompeiiCourt,KngrooCourt,Dorcro	8
13Nov81-7Hol	6f	:22	:443	1:084ft	26	115	65½	53	52	54½	Rivera M A ⁴	Aw26000	88	Hcwind,KngrooCourt,PompiiCourt	8
29Oct81-7SA	6f	:22	:443	1:09 ft	16	114	42½	45½	66½	68½	ValenzuelPA ⁴	Aw34000	85	Shnekite,ImportntMemo,NtivFishr	7

Apr 25 Hol 4f ft :482 h

Apr 7 SA 4f ft :474 h

Apr 3 SA 5f ft 1:02 h

Mar 29 SA 4f gd :491 h

Gifted Dancer

Own.—Roden W F

117

Ch. c. 4, by L'Enjoleur—Second Coming, by Sir Gaylord

Br.—C T Chenery Estate (Va)

Tr.—Russell John W

Lifetime 15 5 7 1 \$84,620

1982 4 3 1 0 \$47,700

1981 8 1 5 1 \$34,950

Turf 5 2 2 0 \$39,450

23Apr82-7Hol	6f	:221	:444	1:092ft	*9-5	118	41½	2hd	1hd	2nk	Pincay L Jr ⁵	Aw35000	90	PirateLw,GiftedDncr,MisterWilder	7
26Mar82-5SA	a6½f	Ⓢ:213	:44	1:141fm	*2½	117	22½	1hd	1½	11	Pincay L Jr ⁶	Aw32000	88	GftdDncr,AnswrtoMusc,SRullhRn	12
7Mar82-5SA	a6½f	Ⓢ:211	:4331	1:14 fm	*7-5	120	63½	42½	2½	1½	Pincay L Jr ⁶	Aw23000	89	GftdDncr,RnOfDmonds,Hostd'Oro	11
24Feb82-6SA	6f	:213	:441	1:09 ft	*2	117	44½	41½	3nk	12½	Pincay L Jr ⁷	Aw19000	93	GiftedDncr,RglFlcon,VikingHustlr	7
31Dec81-5SA	6½f	:224	:462	1:192hy	*2½	113	2hd	32½	21½	22½	ShoemakerW ³	Aw18000	70	Tuff to Beat, Gifted Dancer, Mufti	7
16Dec81-3Hol	6f	:222	:452	1:101ft	3½	117	32½	22½	22½	1½	Pincay L Jr ²	50000	86	GiftedDncr,MsterJono,Logrhythm	6
13Jun81-9Hol	1½	Ⓢ:4611	1:1031	1:414fm	3½	115	34½	31	42	75½	McHrgueDG ⁶	Aw22000	84	MasterThatch,RegalSport,Enhnce	12
29May81-8Hol	1½	Ⓢ:4731	1:12	1:424fm	3	115	1hd	1hd	1hd	2nk	McHrgueDG ⁶	Aw24000	85	MsterJono,GiftedDncr,MsterThtch	9
15May81-9Hol	6f	:214	:443	1:094ft	3½	115	52½	54½	33	34½	McHrgueDG ³	Aw22000	83	Menswer,Jeff'sEncore,GiftedDncr	7
8May81-7Hol	6½f	:222	:45	1:162ft	3	115	2hd	2hd	2hd	2hd	Toro F ¹	Aw22000	88	Fair Hint, Gifted Dancer, Breached	6

May 6 Hol 5f ft 1:033 h

May 1 Hol 5f ft 1:012 h

Apr 17 SA 6f ft 1:144 h

Apr 11 SA 6f ft 1:181 h

Pompeii Court

Own.—Lewyk & Crowe

116

B. h. 5, by Tell—Port Damascus, by Damascus

Br.—Keck H B (Ky)

Tr.—Anderson Laurie N

Lifetime 24 9 7 4 \$97,634

1982 4 2 0 1 \$46,800

1981 16 5 5 3 \$45,954

7Mar82-3SA	1	:443	1:083	1:342ft	*2½	116	2½	1½	1½	1hd	Hawley S1	Aw40000	97	PompCort,KngrooCort,SonofDodo	7
18Feb82-7SA	1	:451	1:09	1:333ft	11	114	1½	1½	13	14½	Hawley S2	Aw32000	101	PompeiiCourt,QuntumLep,Western	8
5Feb82-7SA	6½f	:212	:433	1:15 ft	11	115	42½	42½	43	33½	Sibille R5	Aw32000	91	VictorySmpl,BondRullh,PompCourt	8
20Jan82-5SA	7f	:214	:45	1:244sy	4½	115	2hd	1hd	1hd	42	Sibille R1	Aw32000	74	Gristle,QuntumLep,AnswertoMusic	5
18Dec81-7Hol	6f	:214	:443	1:093ft	9	115	3nk	3nk	32	55	Sibille R6	Aw30000	84	Hacwind,BennyBob,CrestoftheWve	7
9Dec81-7Hol	6½f	:221	:45	1:154ft	5½	116	1hd	1½	12	11½	Sibille R2	Aw25000	91	PompeiiCourt,KngrooCourt,Dorcro	8
27Nov81-7Hol	6½f	:223	:453	1:183sy	*3	115	1hd	1½	21½	2½	Sibille R4	Aw25000	76	DndyWit,PompiiCourt,Sli'sRoylDrm	8
13Nov81-7Hol	6f	:22	:443	1:084ft	15	115	1hd	2½	2½	34½	Sibille R1	Aw26000	89	Hcwind,KngrooCourt,PompiiCourt	8
17Oct81-8StP	6f	:222	:451	1:101ft	*9-5	118	55½	54½	35	44	Garcia C1	Aw6500	94	Kinlin, Flashys Champ,ThreeforYou	7
30May81-9NP	1½	:472	1:113	1:43 ft	2½	119	11	1hd	2hd	3nk	Hedge R2	Cont'ntal H	100	MisterCountry,Ky.Alt,PompiiCourt	7
May 3 Hol 6f ft 1:131 h				Apr 23 SA 6f ft 1:121 h				Apr 16 SA 4f ft :483 h				Mar 31 SA 5f ft 1:012 h			

May 3 Hol 6f ft 1:131 h

Apr 23 SA 6f ft 1:121 h

Apr 16 SA 4f ft :483 h

Mar 31 SA 5f ft 1:012 h

Shanekite		B. c. 4, by Hoist Bar—Win Shane, by Anyoldtime									
Own.—Udke Selma		Br.—Udke Selma (Cal)									
		Tr.—Landers Dale									
		Lifetime 20 8 4 0 \$213,125									
17Apr82-8SA		a6½f ①:21	:43	1:13 fm	7½	118	65½	62½	3½	21½	Hawley S ¹ Sn Simn H 92 Shagbark, Shanekite, Belfort 8
24Mar82-8SA		5½f :213	:44	2:02 1ft	4½	118	—	—	—	—	Hawley S ⁶ El Conejo H — ToB.OrNot,Belfort,Terresto's Singer 8
24Mar82—Lost rider											
9Jan82-8SA		7f :213	:43	4:20 4ft	3½	119	43½	41½	89	812	Hawley S ⁶ Sn Crios H 84 Solo Guy, #King Go Go, Smokite 8
3Jan82-8SA		7f :221	:45	4:26 hy	*8-5	120	51½	1½	2½	26	Hawley S ⁶ Malibu 64 Island Whirl, Shanekite, It's the One 8
19Dec81-8Hol		7f :212	:43	4:21 8ft	*4-5	117	41½	41½	11	12½	Hawley S ⁴ Yuletide H 89 Shanekite, Flying Chick, Island Whirl 5
28Nov81-8Hol		1 :48	1:13	1:38 4m	3½	113	1nd	1½	3½	42½	Hawley S ⁴ Ntv Dvr. H 69 Syncopate, King Go Go, Wickerr 6
11Nov81-8Hol		6f :213	:44	1:08 1ft	2½	114	52½	11	14	12½	Hawley S ⁸ Sprnt Chmp 96 Shanekite, Syncopate, Big Presentation 8
11Nov81—Run in two divisions, 8th & 9th races.											
29Oct81-7SA		6f :22	:44	3:09 ft	*4-5	118	22½	22½	2nd	15	Hawley S ¹ Aw34000 93 Shnekite, Importnt Memo, Ntiv Fishr 7
4Sep81-8Dmr		1½ :45	3:09	2:41 ft	8	117	34	45½	46	511	Hawley S ⁶ El Cajon 84 Island Whirl, Rock Softly, Damas 9
24Aug81-8Dmr		1 :45	2:10	1:36 3ft	*3-2	117	31½	22	22	43½	Pincay L Jr ⁴ Aw30000 81 At Your Plesure, Sli's Royl Drem, Dscro 6
Apr 30 Hol 6f ft 1:142 h		Apr 24 SA 4f ft :494 h									
		Apr 13 SA ① 5f yl 1:04 h (d)									
		Apr 5 SA HC 5f gd 1:041 h (d)									

The feature race of the day was the 7-furlong \$50,000 added Triple Bend Handicap. It featured such top horses as Shanekite, Remember John, Never Tabled, Fingal, Laughing Boy, Rock Softly, and Pompeii Court. Never Tabled had two wins and a second in three recent local starts. He had not run until he was a five-year-old, but his brief record was quite impressive. Fingal was a strong horse who had won nearly \$350,000 in the fifty races of his career. He came into the Triple Bend off three consecutive impressive victories at Santa Anita. As the favorite in four previous races, however, he had failed to win and twice had been out of the money.

Remember John was the only three-year-old scheduled to be in the race. His record of three victories and one second in four 1982 races was quite impressive. He was consistently running under 1:09 for 6 furlongs. Despite this blinding speed, fear of the older horses or some other reason caused his owner to scratch Remember John. Rock Softly was moving up in class. His 96 speed rating in a recent 1-mile victory at Santa Anita made him a definite threat. Laughing Boy was similar. He appeared to be outclassed, but a convincing 6-furlong victory at Hollywood the previous week in 1:08² meant that he could not be ruled out. Gifted Dancer had four wins and two seconds in his last six races. However, today's competition was much stronger than he had previously faced. Pompeii Court had just run two smashing mile-race victories at Santa Anita. In one of them as an 11—1 shot, he had broken the track record by running a 1:33³ mile, a sizzling time. The final horse in the race was Shanekite, who had a brilliant but erratic record. In 1981, he had six wins in ten outings and finished out of the money in the remaining four races. He had not won in 1982 and had even lost his rider, Sandy Hawley, in one of these races. However, if sharp, he could run 6 furlongs in 1:08 flat and could handle this competition. This was a classic match.

The noted handicapper and Harvard dropout Andy Beyer believes thoroughbred handicapping is the supremely challenging intellectual activity. This race presented such a challenge for talented handicappers. We, of course, have argued in this book that you should leave such handicapping

Shanekite was made an even-money favorite of the crowd. The tote board 1 minute before post time was as follows:

	Totals	#8 Shanekite	Expected Value per Dollar Bet on Shanekite
Odds		1—1	
Win	398,851	155,321	
Place	131,018	40,952	1.05
Show	59,163	14,585	1.18

These values provided an expected value per dollar bet of 1.05 to place and 1.18 to show. Thus Shanekite was a Dr. Z system bet to show but not good enough to bet to place. My betting fortune was \$1,088, reflecting my earlier win in the sixth race. The optimal Dr. Z system bet was \$310 to show on Shanekite. The totals at post time were similar:

	Totals	#8 Shanekite	Expected Value per Dollar Bet on Shanekite
Odds		1—1	
Win	407,589	158,523	
Place	139,217	42,739	1.06
Show	60,030	15,108	1.17

Never Tabled won the race, followed by Shanekite and Pompeii Court. The chart of the race was as follows:

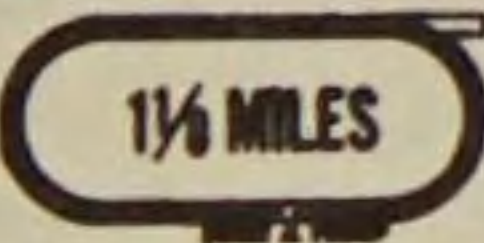
[illegible]

The payoff for show for Shanekite was \$2.60. This was a little poorer than expected for an even-money favorite with an expected value of 1.17. One might hope to get at least \$2.80 or possibly \$3.00. However, because the top three choices out of the small seven-horse field had finished in the money, Shanekite's payoff was lowered, so with breakage it became \$2.60. Despite the fact that the place payoff of \$3.20 on Shanekite seems quite high, it was still not a Dr. Z system bet. My show bet of \$310 returned \$403, for a profit of \$93—a 30% return on investment.

*The Whitney Handicap, Saratoga Racetrack,
Saratoga, New York, August 1, 1981*

The fifty-sixth running of the Whitney Handicap at Saratoga featured a strong card of horses vying for their share of the \$150,000 added purse. Amber Pass was the consensus favorite, followed by Winter's Tale and Glorious Song. The race was also to include such strong horses as The Liberal Member, Ring of Light, Temperence Hill, and Noble Nashua. A series of minor colds and other ailments as well as strategy for upcoming races led to the scratching of four horses: Amber Pass, Glorious Song, Temperence Hill, and Classic Trail. This left eight starters. Winter's Tale was established as a 3—2 favorite of the betting public. He had his regular jockey, Jeffrey Fell, in the irons and the number 1 post position. In twelve starts he had finished first or second on ten occasions and as a favorite was always in the money. An upset possibility was Fio Rito, who had performed brilliantly at low odds against much weaker competition.

DOUBLE WAGERING ON 8th & 9th RACES



EIGHTH RACE
THE WHITNEY HANDICAP
(56 RUNNING)
\$150,000 ADDED
(Grade I)

FOR THREE-YEAR-OLDS AND UPWARD. By subscription of \$300 each, which should accompany the nomination; \$1,200 to pass the entry box, with \$150,000 added. The added money and all fees to be divided 60% to the winner, 22% to second, 12% to third and 6% to fourth. Trophies will be presented to the winning owner, trainer and jockey and mementoes to the grooms of the first four finishers.
(Closed (Wednesday, July 15, 1981 with 37 nominations)

Track Record—1:47; TRI JET (5), 123 lbs.; August 3, 1974.

MAKE SELECTION BY NUMBER			
	Owner	Trainer	Jockey/Morn. Line
1	HOKEBY STABLES Dark Gray, Yellow Braids, Sleeves and Cap	MacK. MILLER	3-1 JEFFREY FELL
	WINTER'S TALE	121	
	B.g.5, Arts and Letters—Christmas Wind by Nearctic		
2	PETER BARBERINO Royal Blue, Gold Braces and Emblem, Gold Chevrons on Sleeves, Gold Cap	EUGENE JACOBS	15-1 JEAN-LUC SAMYN
	JOANIE'S CHIEF	108	
	B.c.4, Ack Ack—Merry Madeline by Fleet Host		
3	RAYMOND J. LeCESSE Orange, Lilac Yoke, Lilac and Orange Halved Sleeves, Orange Cap	M. FERRARO	20-1 LESLIE HULET
	FIO RITO	113	
	Gr.h.6, Dreaming Native—Seagret by Sea Charger		
4	FRANK STRONACH Light Blue, Black Diamond Frame, Black Hoop on Sleeves, Blue and Black Cap	J. CAIRNS	4-1 ROBIN PLATTS
	GLORIOUS SONG	118	
	B.m.5, Halo—Ballade by Herbager		

5	CALUMET FARM Devil's Red, Blue Collar, Two Blue Hoops on Sleeves, Blue Cap	J. M. VEITCH	15-1 JACINTO VASQUEZ
	RIVALERO	112	
	B.g.5, Riva Ridge—Dictates by Bold Ruler		
6	LOCUST HILL FARM White, Cherry Hoop, Cherry Sleeves, White Cap	D. W. CARROLL	10-1 JACK KARNEL
	BLUE ENSIGN	109	
	Gr.c.4, Holst the Flag—Laughter by Bold Ruler		
7	OGDEN PHIPPS Black, Cherry Cap	A. PENNA	5-1 ANGEL CORDERO, JR.
	The Liberal Member	113	
	Ch.c.6, Bo'd Reason—Lady Pitt by Sword Dancer		
8	VIOLA SOMMER Green, Gold Diamond Hoop, Gold Sleeves, Green Cap, Gold Tassel	F. MARTIN	8-1 RUBEN HERNANDEZ
	RING OF LIGHT	114	
	B.o.6, In Reality—Due Dilly by Sir Gaylord		
9	LOBLOLLY STABLE Yellow and Chocolate Brown Diagonal Quarters, Yellow Sleeves, Brown Hoop, Yellow Cap	J. B. CANTEY	6-1 DONALD MacBETH
	TEMPERENCE HILL	127	
	B.c.4, Stop the Music—Sister Shannon by Etonian		
10	HARRY T. MANGURIAN, JR. Beige, Blue Sash, Two Blue Hoops on Sleeves, Blue Cap	T. F. ROOT, SR.	20-1 RICHARD MIGLIORE
	CLASSIC TRIAL	106	
	B.h.5, In Reality—Desert Trial by Moslem Chief		
11	FLYING ZEE STABLES Light Blue, White Yoke and "ZZ," White Blocks on Sleeves, Blue Cap, White Tassel	J. MARTIN	6-1 EDDIE MAPLE
	NOBLE NASHUA	114	
	B.c.3, Nashua—Noble Lady by Vaguely Noble		

Change of Equipment: TEMPERENCE HILL—Blinkers On.
SCRATCHED—AMBER PASS

The odds on Winter's Tale were reasonably good throughout the betting period. An expected value of 1.15 just two minutes before post time qualified Winter's Tale as a Dr. Z system bet. The tote board was as follows:

	Totals	#1 Winter's Tale	Expected Value per Dollar Bet to Show on Winter's Tale
Odds		3—2	
Win	424,370	131,021	
Show	52,609	11,011	1.15

With an initial wealth of \$2,500, the optimal bet to show on Winter's Tale was \$270. At post time the odds to show had dropped slightly.

	Totals	#1 Winter's Tale	Expected Value per Dollar Bet to Show on Winter's Tale
Odds		3—2	
Win	486,875	159,273	
Show	57,957	14,313	1.09

The expected value per dollar bet to show on Winter's Tale was now 1.09.

● Sweep's

Saratoga Analysis

EIGHTH RACE

- 1—Amber Pass
- 2—Winter's Tale
- 3—Glorious Song

Recently restored to his best form, AMBER PASS gets a slight nod to capture the nine-furlong Whitney. The Pass Catcher colt impressed in Delaware but will have to be at his best to handle WINTER'S TALE. This veteran also seems to have reached his form of last year, a possibility that makes him the one to beat. GLORIOUS SONG is at her best and her best makes her eligible to handle the males in this event.

SELECTIONS • GRADED ENTRIES

Saratoga

Consensus Totals Based on 5 points for First (7 for Best Bet), 2 for 2nd, 1 for 3rd. Best Bet in Bold Type. Clocker Selections not included in Consensus.						
TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CLOCKER	CONSENSUS
8	Amber Pass Winter's Tale Glorious Song	Glorious Song Amber Pass Winter's Tale	Amber Pass The Liberal Member Temperance Hill	Winter's Tale Amber Pass Temperance Hill	Amber Pass Winter's Tale Glorious Song	Amber Pass Winter's Tale The Liberal Memoer Glorious Song
						21 15 7

Fio Rito *

Own.—LeCesse R

20Jly81-	88el	sly	1	:45 ³ / ₅	1:09 ³ / ₅	1:35	3+	SEvanShipman	4	4	1hd	2hd	1 ¹ / ₂	12 ¹ / ₂	Hulet L	b	117	*.30	93-15	Fio Rito	117 ² / ₃	Sir Ack	121 ³ / ₄	Naskra's Breeze	117 ^{no} / _k	Drew Clear	7
4Jly81-	9FL	fst	170	:47 ¹ / ₅	1:11	1:40 ³ / ₅	3+	SEGen.sullivan	2	3	2hd	16	16	18 ¹ / ₂	Hulet L	b	120	*.10e	98-17	Fio Rito	1208 ¹ / ₃	Sea Bourne	1172	D. J.'s Nitecap	114 ⁴ / ₄	Easily	5
13Jun81-	8FL	fst	170	:47 ² / ₅	1:11	1:40 ¹ / ₅	3+	SAallowance	3	2	11	18	18	111	Hulet L	b	118	*.20	114-10	Fio Rito	1181 ¹ / ₁	Holiday Chip	118 ^{no} / _k	Publisher	1101	Ridden out	7
7Jun81-	6FL	fst	6f	:22	:45	1:09 ⁴ / ₅	3+	SAallowance	5	2	43 ¹ / ₂	33 ¹ / ₂	2hd	17	Hulet L	b	114	*.20	105-08	Fio Rito	1147	Mari Juno	104 ¹ / ₂	Lake Placid	1145	Drew clear	5
25May81-	9FL	fst	6f	:23 ¹ / ₅	:46 ¹ / ₅	1:10 ³ / ₅	3+	SWilliamson	1	5	51 ¹ / ₂	33	33	31 ¹ / ₂	Hulet L	b	115	*.10e	99-12	SEA Bourne	119 ³ / ₄	Al's Sky Lab	119 ³ / ₄	Fio Rito	1157	Rallied	5

25May81-Placed second through disqualification

28Dec80-	8Aqu	fst	1 ¹ / ₄	☐:48 ³ / ₅	1:13 ⁴ / ₅	1:46 ² / ₅	3+	SAlex M. Robb	6	3	1hd	2hd	32	22	Saumell L	b	126	*.50	80-18	Sir Ack	1192	Fio Rito	126 ^{no} / _k	Quintessential	123 ^{hd} / _{hd}	Gamely	8
10Dec80-	8Aqu	fst	6f	☐:22 ² / ₅	:45 ³ / ₅	1:10 ¹ / ₅	3+	SJoe Palmer	5	2	43 ¹ / ₂	42 ¹ / ₂	42	1nk	Saumell L	b	126	*1.00	93-11	Fio Rito	126 ^{no} / _k	Kim's Chance	122 ^{no} / _k	Sir Ack	1193 ¹ / ₄	Wide, just up	5
27Nov80-	8Aqu	fst	1 ¹ / ₄	:48 ⁴ / ₅	1:12 ⁴ / ₅	1:56	3+	SQueens Cty H	4	1	11 ¹ / ₂	1hd	35 ¹ / ₂	58 ¹ / ₂	Hulet L	b	120	*2.60	73-24	Fool'sPryer	1121 ¹ / ₂	RingofLight	1155 ³ / ₄	Pictursqu	1141 ¹ / ₄	Unruly, slow st.	7
9Nov80-	8FL	sly	1 ¹ / ₄	:48 ³ / ₅	1:39 ² / ₅	2:07 ² / ₅	3+	SWadsworth H	6	1	12	11 ¹ / ₂	13	15 ¹ / ₂	Hulet L	b	138	*.20e	93-17	Fio Rito	1385 ¹ / ₂	Green Parade	1144 ² / ₃	Captain Pat	126 ^{no} / _k	Easily	7
6Oct80-	8Bel	fst	1 ¹ / ₄	:46	1:11	1:51 ² / ₅	3+	SBongard H	5	2	11	11	11	11 ¹ / ₂	Hulet L	b	126	*.70	70-26	Fio Rito	1261 ³ / ₄	Kim's Chance	124 ³ / ₄	Sir Ack	117 ^{no} / _k	Driving	5

Glorious Song

Own.—Stronach F

1Jly81-	9WO	fst	1 1/4	:46 3/5	1:10 3/5	1:48	3+	Dom Day H	2	3	31 1/2	2 1/2	14 1/2	15 1/2	Platts R	125	*.35	102-14	Glorious Song	1255 1/2	DrivingHome	1252 1/3	ByeTony	112 hd/hd	Handily	8	
26Apr81-	8Hol	fst	1	:46 1/5	1:11 2/5	1:36 2/5	3+	M'vy Leroy H	6	4	53 2/2	32	1hd	2nk	Toro F	121	*1.70	84-21	ElvnStitchs	115 no/k	GloriousSong	1212 1/2	SummrTm	Guy	1145 1/2	Sharp try	8
8Mar81-	8SA	fst	1 1/4	:45 2/5	1:34 1/5	1:59 2/5		S Anita H	11	8	89 1/4	66 1/2	57	55 1/2	McHargue D G	119	10.30	86-11	John Henry	1281	King Go	Go	1171 1/4	Exploded	115 no/k	Wide	11
22Feb81-	8SA	fst	1 1/4	:44 4/5	1:08 4/5	1:47 1/5		ES Margar'a H	6	4	47	44 1/2	31	2nk	McCarron C J	130	*1.10	93-12	Princess Karenda	118 no/k	GloriousSong	1301 1/2	Ack'sSecret	1222	Sharp	10	
31Jan81-	8SA	gd	1 1/4	:46 2/5	1:10 4/5	1:43 1/5		ES Maria H	1	3	32	2hd	12 1/2	12	McCarron C J	127	*.50	85-23	GlorosSong	1272	TrckRbbry	1175	MssHntngtn	1131 0/k	Eased final yds.	4	
10Jan81-	8SA	fst	7f	:21 4/5	:43 4/5	1:20 1/5		San Carlos H	1	7	75 1/2	63	46	46 1/2	Hawley S	120	4.50	92-10	FlyingPstr	1243 1/2	ToB.Or	Not1232	DoubleDiscount	1151 1/2	Flattened out	8	
6Sep80-	7Bel	fst	1 1/4	:45	1:09 2/5	1:47	3+	Marlboro H	4	7	710	63 2/2	22	24 1/2	Velasquez J	117	*1.70	87-15	Winter'sTale	1234 1/2	GloriousSong	117 no/k	JklnKlugmn	1183 1/2	Went well	8	
16Aug80-	9Mth	fst	1 1/4	:46 4/5	1:11 1/5	1:48	3+	A Haskell H	2	5	75 2/2	4nk	2 1/2	21 1/2	Velasquez J	117	6.70	93-15	SpctcirBd	1321 3/4	GlorsSng	1171 1/2	ThClVrgnn	1124	DriftedOut,brushed	8	
12Jly80-	9WO	fm	1 1/4	Ⓢ:45 3/5	1:37 1/5	2:01 3/5		SMaturity	2	4	35 1/2	11 1/2	13	13 1/2	Leblanc J B	121	*.25	99-09	Glorious Song	1213 1/2	Great State	1261	Nice Idea	1211	Handily	6	
1Jly80-	7WO	fst	1 1/4	:48	1:11 4/5	1:50 1/5	3+	Dom Day H	2	5	54 2/2	3nk	11 1/2	11	Leblanc J B	123	*.30	91-13	Glorious Song	1231	Maple Grove	1184	Knight'sTurn	1181 1/2	Handily	8	
LATEST WORKOUTS																			Jly 25 Sar	5f st 1-00 3/4 b							

LATEST WORKOUTS Jly 25 Sar 5f fst 1:00³/₅ b Jly 18 WO 1fst 1:40¹/₅ b

Rivalero *

Own.—Calumet Farm

19Jly81-	8Bel	fst	7f	:22 ³ / ₅	:45	1:21 ¹ / ₅	3+	Tom Fool	5	5	69	66 ¹ / ₂	34 ¹ / ₂	34 ¹ / ₂	Vasquez J	119	12.00	91-12	Rise Jim	1191 ³ / ₄	ProudAppeal	1212 ³ / ₄	Rivalero	119 ^{hd} / _{hd}	Lckd Lt, response	6	
4Jly81-	58el	sly	1 ¹ / ₄	:47	1:11	1:42 ¹ / ₅	3+	Allowance	1	4	42	2 ¹ / ₂	2hd	11 ¹ / ₂	Vasquez J	119	3.40	91-20	Rivalero	1191 ¹ / ₄	Dr. Tipton	1152 ¹ / ₄	Voodoo Rhythm	1171	Ridden out	6	
6Jun81-	18el	fst	1	:46 ² / ₅	1:10 ² / ₅	1:34 ⁴ / ₅	3+	Allowance	4	5	45	46	49 ¹ / ₂	413	Vasquez J	115	9.10	81-14	Amber Pass	1151 ¹ / ₂	Winter's Tale	1225 ¹ / ₂	King's Wish	1156	Evenly	5	
25May81-	88el	fst	1	:44 ¹ / ₅	1:08 ³ / ₅	1:33 ⁴ / ₅	3+	Metropol'n H	3	6	610	611	614	619	Saumell L	115	26.00	80-22	Fappiano	1152 ² / ₄	Irish Tower	127 ² / ₄	Amber Pass	1157 ¹ / ₂	Outrun	7	
15May81-	88el	fst	7f	:23 ¹ / ₅	:46 ² / ₅	1:23 ³ / ₅		Allowance	6	6	54 ¹ / ₂	43	35 ¹ / ₂	1 ¹ / ₂	Vasquez J	122	9.80	84-19	Rivalero	122 ³ / ₄	Winter's Tale	122 ^{hd} / _{hd}	Tax Holiday	1053	Driving	6	
7May81-	88el	fst	7f	:23 ¹ / ₅	:46 ² / ₅	1:22 ³ / ₅		Allowance	7	7	63 ¹ / ₂	53	48	412	Fell J	b	4.20	77-21	Fappiano	1224	Miroman	119 ^{no} / _k	Dynamite Cap	1157 ¹ / ₂	Off slowly	7	
16Oct80-	5Med	fst	1 ¹ / ₄	:47 ¹ / ₅	1:35 ² / ₅	2:00 ² / ₅	3+	Med Cup H	11	7	98 ¹ / ₂	—	—	—	Fell J	b	14.10	—	—	Tunerup	1176	Dr. Patches	1168	Dewan Keys	115 ^{no} / _k	Bled	12
4Oct80-	68el	yl	1 ¹ / ₄	☐:47 ¹ / ₅	1:11	1:44 ³ / ₅	3+	Handicap	5	3	35	47 ¹ / ₂	511	511	Fell J	b	1.60	67-22	Not Tomorrow	1103 ¹ / ₄	No Neck	1131 ¹ / ₂	OHJ. V. Series	112	Tired	5	
6Sep80-	6Med	fst	1 ¹ / ₄	:45 ³ / ₅	1:10 ³ / ₅	1:44	3+	Jrsy Blues H	6	4	38	62 ¹ / ₂	43	41 ¹ / ₂	Fell J	b	*1.20	88-21	Tunerup	112 ^{no} / _k	Dewan Keys	1141	Foretake	114 ^{no} / _k	Brushed	8	
16Aug80-	5Sar	fst	1 ¹ / ₄	:46 ³ / ₅	1:10 ² / ₅	1:56 ¹ / ₅	3+	Allowance	4	4	412	37 ¹ / ₂	1hd	1hd	Fell J	b	*.70	96-13	Rivalero	119 ^{hd} / _{hd}	Pianist	1154 ¹ / ₄	Picturesque	115 ^{hd} / _{hd}	Driving	6	

LATEST WORKOUTS

Jly 27 Sar 4fsh :47³/₅ H

LATEST WORKOUTS Jly 27 Sar 4f sly :47³/₅ h Jly 17 Bel 3f fst :36¹/₅ b

Gr. h. 6, by Dreaming Native—Seagret, by Sea Charger

Br.—LeCesse R (NY)

Tr.—Ferraro Michael

4	4	1hd	2hd	1 ¹ / ₂	12 ¹ / ₂	Hulet L	b	117	*.30	93-15	Fio Rito	1172 ³ / ₄	Sir Ack	121 ³ / ₄	Naskra's Breeze	117 ^{no} / _k	Drew Clear	7
2	3	2hd	16	16	18 ¹ / ₂	Hulet L	b	120	*.10e	98-17	Fio Rito	1208 ¹ / ₃	Sea Bourne	1172	D. J.'s Nitecap	114 ⁴ / ₄	Easily	5
3	2	11	18	18	111	Hulet L	b	118	*.20	114-10	Fio Rito	1181 ¹ / ₁	Holiday Chip	118 ^{no} / _k	Publisher	1101	Ridden out	7
5	2	43 ¹ / ₂	33 ¹ / ₂	2hd	17	Hulet L	b	114	*.20	105-08	Fio Rito	1147	Mari Juno	104 ¹ / ₂	Lake Placid	1145	Drew clear	5
1	5	51 ¹ / ₂	33	33	31 ¹ / ₂	Hulet L	b	115	*.10e	99-12	SEA Bourne	119 ³ / ₄	Al's Sky Lab	119 ³ / ₄	Fio Rito	1157	Rallied	5

B. m. 5, by Halo—Ballade, by Herbager

Br.—Taylor E P (Can)

Tr.—Cairns John

:46%	1:10%	1:48	3 ♀ Dom Day H	2 3	31½ 2½	14½	15½ Platts R	125
:46%	1:11½	1:36%	3 ♀ M'vy Leroy H	6 4	53½ 32	1hd	2nk Toro F	121
:45%	1:34½	1:59%	S Anita H	11 8	89½ 66½	57	55½ McHargue D G	119
:44%	1:08%	1:47½	♂ S Margar'a H	6 4	47 44½	31	2nk McCarron C J	130
:46%	1:10%	1:43½	♂ S Maria H	1 3	32 2hd	12½	12 McCarron C J	127
:21%	:43%	1:20½	San Carlos H	1 7	75½ 63	46	46½ Hawley S	120
:45	1:09%	1:47	3 ♀ Marlboro H	4 7	710 63½ 22	24½	Velasquez J	117
:46%	1:11½	1:48	3 ♀ A Haskell H	2 5	75½ 4nk 2½	21½	Velasquez J	117
:45%	1:37½	2:01%	♂ Maturity	2 4	35½ 11½ 13	13½	Leblanc J B	121
:48	1:11%	1:50½	3 ♀ Dom Day H	2 5	54½ 3nk 11½	11	Leblanc J B	123
TS	Jly 25 Sar	5f 1st 1:00%	Jly 18 W0	1st 1:40½	b			

The Liberal Member

Ch. g. 6, by Bold Reason—Lady Pitt, by Sword Dancer
Br.—Phipps 0 (Ky)
Tr.—Penna Angel

Own.—Phipps 0

18Jly81- 8Bel fst 1½ :49¾ 2:01¾ 2:26 3+ Brooklyn H
11Jly81- 7Bel fst 1 :45¾ 1:09¾ 1:35¾ 3+ Allowance
15Dec79- 8Aqu fst 1¼ □:48½ 2:04¾ 2:43¾ 3+ Gallant Fx H
15Sep79- 8AP fm 1½ ⊕:48 2:06½ 2:32½ 3+ Arlington H
12Aug79- 8Sar my 1¼ :47¾ 1:12¾ 1:51¾ 3+ B Baruch H
4Aug79- 8Sar fst 1¼ :48½ 1:10¾ 1:47¾ 3+ Whitney
21Jly79- 8Bel fst 1½ :50¾ 2:03¾ 2:28¾ 3+ Brooklyn H
11Jly79- 6Bel fst 1½ :48¾ 2:02¾ 2:28¾ 3+ Handicap
30Jun79- 6Bel fm 1¼ ⊕:49½ 1:36¾ 2:14 3+ Allowance
17Jun79- 4Bel fm 1¼ ⊕:49½ 1:38¾ 2:01¾ 3+ Allowance

17Jun79-Placed second through disqualification

LATEST WORKOUTS Jly 31 Sar 4fst :50 b

Ring of Light *

Own.—Sommer Viola

4Jly81- 8Bel sly 1¼ :47¾ 1:36 2:02 3+ Suburban H
21Jun81-10Suf fst 1¼ :47 1:11½ 1:49¾ 3+ Mass H
7Jun81- 9Suf fst 6f :22¾ :45¾ 1:10¾ 3+ Suf Downs H
30May81- 6Bel fst 7f :23¾ :46 1:22¾ 3+ Handicap
17May81- 8Bel fst 6f :22¾ :45¾ 1:09¾ 3+ Roseben H
11Apr81- 8Aqu fst 1¼ :47¾ 1:35¾ 2:00¾ 3+ Excelsior H
4Apr81- 7Aqu fst 1¼ :47½ 1:11 1:49¾ Allowance
28Mar81- 8Aqu fst 1 :45 1:09½ 1:35 3+ Westchester H
14Mar81- 8Aqu fst 6f □:23½ :46¾ 1:11½ 3+ Toboggan H
6Mar81- 8Aqu sly 1¼ □:48½ 1:14½ 1:47¾ Allowance

LATEST WORKOUTS Jly 30 Sar 4fsly :45¾ h

Temperence Hill *

Own.—Loblolly Stable

18Jly81- 8Bel fst 1½ :49¾ 2:01¾ 2:26 3+ Brooklyn H
4Jly81- 8Bel sly 1¼ :47¾ 1:36 2:02 3+ Suburban H
14Jun81- 8Hol fst 1¼ :45¾ 1:34¾ 2:00¾ 3+ Gold Cup H
25May81- 8Hol fst 1¼ :45¾ 1:10½ 1:48¾ 3+ Californian
10Apr81- 9OP fst 1¼ :46¾ 1:11¾ 1:43¾ Oaklawn H
28Mar81- 9OP fst 1¼ :49 1:13 1:44½ Razorback H
25Oct80- 8Aqu sf 1½ ⊕:51¾ 2:13 2:39¾ 3+ Turf Classic
18Oct80-10LaD gd 1¼ :49½ 1:39¾ 2:06¾ Super Derby
4Oct80- 8Bel fst 1½ :49¾ 2:05½ 2:30½ 3+ J C Gold Cup
6Sep80- 7Bel fst 1¼ :45 1:09¾ 1:47 3+ Marlboro H

LATEST WORKOUTS Jly 31 Sar 3fst :26½ b

113 86-15 Hechizado 1164 The Liberal Member113½PeatMoss111¾ 2nd best 10
90-16 NearEast115½DiplomaticNote115½TheLiberalMember115¾ Evenly 8
97-15 Identical 1106 Ethnarch 1182½ Land of Eire 114½ Outrun 12
65-28 Bowl Game 1244½ Young Bob1108Liveinthesunshine105½ Bid,tired 14
54-25 Overskate 128½ Timbo 108½ Native Courier 115¾ Outrun 7
96-12 Star DeNackra 120½Cox'sRidge117½TheLiberalMember120½ Rallied 6
76-24 The LiberalMember114½BowlGame119½StateDinner123¾ Driving 5
77-17 The LiberalMember114½Framarco1092½Yamasaki1126 Ridden out 7
99-07 TheLiberalMember1152½IvoryHunter1155½Metphor115¾ Ridden out 5
83-15 NonCommercil113½⊕SndroTsc112½ThLibrIMmbr117½ Imoeded 11

Jly 7 Bel 4fst :47¾ h Jun 30 Bel 5fst 1:01 b

114

90-20 TemperenceHill127½RingofLight115½HighIndBld113½ Just failed 8
85-15 Soldier Boy 1142½ Niteange 1082 Driving Home 1144 Rallied 9
88-29 Ring of Light 116½ Dave's Friend 128½ Triocala 112½ Driving 10
87-17 Rise Jim 122½ Ring of Light 120½ Dr. Patches 118½ 2nd best 6
93-22 Ring of Light 113½ Guilty Conscience112½Convenient114½ Driving 8
87-22 Irish Tower 127½ Ring of Light 113½ Relaxing 125½ Held place 6
86-25 RingofLight122½CreativePlan1143DegenerateJon117¾ Ridden out 6
91-20 Dunham's Gift 115½ Ring ofLight114½Dr.Blum124½ Sharp effort 6
83-18 Dr.Blum123½GuiltyConscience115½Dunham'sGift1182½ No factor 4
76-37 Ring of Light 1172½ Contare 1083½ Hasty Tam 1157½ Easily 8

Jly 12 Bel tr.t 5fst :59 h Jun 30 Bel tr.t 6fst 1:12 h

127

73-15 Hechizado 1164 TheLiberalMember113½PeatMoss111¾ No factor 10
90-20 TmprncHill127½RingofLght115½HghIndBld113½ Brushed, driving 8
83-16 ⊕Ctermn120½ElevenStitchs122½SuprMomnt117½ Lacked room 10
87-15 Eleven Stitches 122½ Temperence Hill 130½ Kilijaro123¾ Sharp 12
91-18 Temperence Hill126½SunCatcher123½Uncool1142½ Brushed, clear 5
87-21 Temperence Hill 124½ Blue Ensign113½Belle'sRuler1124½ Driving 6
27-57 Anifa 123½ Golden Act 126½ John Henry 126½ Tired 8
92-19 Temperence Hill 126½ First Albert 126½CactusRoad126½ Driving 8
69-19 TemperenceHill1215½JohnHenry126½IvoryHunter126¾ Ridden out 7
80-15 Winter'sTale1234½GloriousSong117½JklnKlugmn118¾ No factor 8

Jly 13 Bel 6fst 1:15 b Jly 3 Bel 3fsly :38¾ b

Classic Trial

Own.—Mangurian H T Jr

29Jly81-	4Sar	sly	1 $\frac{1}{8}$	:47 $\frac{3}{8}$	1:12 $\frac{1}{5}$	1:50	3 \blacktriangle Allowance
23Jly81-	9Crc	fst	1	:47 $\frac{3}{8}$	1:13 $\frac{4}{5}$	1:41 $\frac{4}{5}$	3 \blacktriangle Allowance
11Jly81-	8Crc	fm	1 $\frac{1}{8}$	Ⓢ:47 $\frac{3}{8}$	1:12	1:43 $\frac{4}{5}$	3 \blacktriangle Allowance
4Jly81-	9Crc	fst	1 $\frac{1}{8}$	:47 $\frac{2}{5}$	1:13	1:52 $\frac{2}{5}$	3 \blacktriangle American H
27Jun81-	7Crc	fst	170	:47 $\frac{3}{8}$	1:12 $\frac{4}{5}$	1:43 $\frac{2}{5}$	3 \blacktriangle Allowance
13Jun81-	8Crc	fm	*1 $\frac{1}{8}$	Ⓢ	1:45 $\frac{3}{8}$	1:45 $\frac{3}{8}$	3 \blacktriangle Allowance
30May81-	8Crc	fst	7f	:22 $\frac{3}{8}$	:45 $\frac{4}{5}$	1:26 $\frac{4}{5}$	3 \blacktriangle Allowance
18May81-	7Hia	fst	1 $\frac{1}{8}$	:47	1:12 $\frac{2}{5}$	1:47 $\frac{2}{5}$	3 \blacktriangle Allowance
9May81-	6Hia	gd	*1 $\frac{1}{8}$	Ⓢ	1:44 $\frac{1}{5}$	1:44 $\frac{1}{5}$	3 \blacktriangle Allowance
11Mar81-	10Hia	fm	1 $\frac{1}{8}$	Ⓢ	1:49	1:49	Allowance

LATEST WORKOUTS

Jun 25 Crc 3f sly :36 $\frac{3}{8}$ b

B. h. 5, by In Reality—Desert Trial, by Moslem Chief
Br.—Mangurian H T Jr (Fla)
Tr.—Root Thomas F Sr

1	1	13	13	15	17	Hernandez R	b	119	10.20
7	7	613	58 $\frac{1}{2}$	46 $\frac{1}{2}$	42 $\frac{1}{2}$	Puckett H ⁵	b	114	*1.40
3	6	53 $\frac{3}{4}$	810	56 $\frac{1}{2}$	44 $\frac{1}{2}$	Cardone E	b	121	*2.60
9	9	814	88 $\frac{1}{2}$	610	47 $\frac{1}{2}$	Cardone E	b	110	25.50
7	6	65	47 $\frac{1}{2}$	47	38	Cardone E	b	122	6.90
3	8	86 $\frac{1}{2}$	55 $\frac{1}{2}$	31	13	Cardone E	b	119	5.30
6	10	117	1115	97 $\frac{1}{2}$	82 $\frac{1}{2}$	Cardone E	b	120	28.30
1	4	411	48	65 $\frac{1}{2}$	42 $\frac{1}{2}$	Cardone E	b	118	8.50
2	7	75	44	43 $\frac{1}{2}$	35 $\frac{1}{2}$	Cardone E	b	118	18.80
5	4	48 $\frac{1}{2}$	87 $\frac{1}{2}$	912	810	Cardone E	b	116	25.40

Jun 21 Crc 4f fst :50 b

Noble Nashua

Own.—Flying Zee Stable

19Jly81-	8Hol	fst	1 $\frac{1}{4}$	:45	1:35 $\frac{3}{8}$	2:01 $\frac{1}{5}$	Swaps
5Jly81-	8Bel	fst	1 $\frac{1}{8}$	:46 $\frac{4}{5}$	1:11 $\frac{3}{5}$	1:49 $\frac{1}{5}$	Dwyer
18Jun81-	7Bel	fst	7f	:22 $\frac{3}{8}$	:44 $\frac{4}{5}$	1:21 $\frac{4}{5}$	3 \blacktriangle Allowance
25May81-	9Key	fst	1 $\frac{1}{8}$	:46 $\frac{3}{8}$	1:10 $\frac{2}{5}$	1:49	Penn Derby
2May81-	8CD	fst	1 $\frac{1}{4}$	:45 $\frac{1}{5}$	1:36	2:02	Ky Derby
18Apr81-	9Aqu	fst	1 $\frac{1}{8}$	:45 $\frac{4}{5}$	1:10 $\frac{2}{5}$	1:49 $\frac{3}{8}$	Wood Mem'l
5Apr81-	8Aqu	fst	1	:45	1:08 $\frac{4}{5}$	1:33 $\frac{3}{8}$	Gotham
25Feb81-	8Aqu	gd	1 $\frac{1}{8}$	▣:47	1:12 $\frac{1}{5}$	1:43	Whirlaway
6Feb81-	9Tam	fst	6f	:22 $\frac{2}{5}$	:46 $\frac{2}{5}$	1:12 $\frac{3}{8}$	Allowance
25Oct80-	9Lrl	sly	1 $\frac{1}{8}$	:46 $\frac{1}{5}$	1:11 $\frac{3}{5}$	1:44 $\frac{2}{5}$	Lrl Futurity

LATEST WORKOUTS

Jly 29 Sar 5f sly 1:00 $\frac{2}{5}$ h

Turf Record
St. 1st 2nd 3rd
6 1 0 1

106

85-18	Classic	Tril	1197	Nephew	Scott	1173 $\frac{1}{2}$	Our	Cptin	Willie	1162 $\frac{1}{2}$	Ridden out	8
76-25	Cherokee	Sky	100 $\frac{1}{2}$	End of	Lent	110 $\frac{3}{2}$	Four	Lane	117 $\frac{3}{2}$	Rallied	7	
81-14	Tax Haven	1102 $\frac{1}{2}$	Nataniel	1172	Golden	Jackpot	117 nd			Blocked	10	
78-19	Poking	1154	Noble	Warrior	1193	Roogh	Lord	114 $\frac{1}{2}$		Rallied	10	
85-16	Court Of	Flags	1183	Gleaming	Channel	11135	Classic	Trial	11224	Rallied	7	
88-12	Clsic	Tril	11938	Brodwy	Hys	1192 $\frac{1}{2}$	Brve	Young	Mench	1153 $\frac{1}{2}$	Drew clear	9
80-11	Nocturnl	Phntom	109 $\frac{3}{2}$	Chief	Mgistrte	114 ^{nk}	Tril	Appel	109 nd	No factor	12	
64-30	Fast Summer	110 nd	End of	Lent	11120	over	Deposited	104 ^{nk}		Weakened	6	
72-21	Gleaming	Channel	1094 $\frac{1}{2}$	Mini	Pie	1181	Classic	Trial	1183	Rallied	8	
79-10	Ransom	Ozzie	116 $\frac{1}{2}$	Roustabout	116 $\frac{1}{2}$	Mortal	Friends	116 $\frac{1}{2}$		Fell back	10	

St. 1st 2nd 3rd
1981 9 5 0 1
1980 4 2 1 0

114

85-20	Noble	Nashua	1232 $\frac{1}{2}$	Dorcaro	1157	Stancharry	123 $\frac{3}{4}$	Handily	7
81-23	Noble	Nashua	1192 $\frac{3}{4}$	TapShoes	1264	SilverExpress	1141 $\frac{1}{2}$	Drew clear	10
93-17	Noble	Nashua	112 nd	FiveStarFlight	1144 $\frac{1}{2}$	WestOnBrod	111	Driving	6
84-16	Summing	1221 $\frac{1}{2}$	Sportin'Lif	1221 $\frac{1}{2}$	ClssicGoGo	1221 $\frac{1}{2}$	Brushed, bore in	9	
76-12	Pleasant	Colony	126 $\frac{1}{2}$	Woodchopper	1263	Partez	1262 $\frac{1}{2}$	No threat	21
73-23	Pleasant	Colony	1263	Highland Blade	1265	CuretheBlues	1266	Tired	6
89-19	Proud	Appeal	123 ^{no}	CuretheBlues	1268 $\frac{1}{2}$	NobleNashua	1235 $\frac{1}{2}$	Steadied	6
99-20	Noble	Nashua	1199 $\frac{1}{2}$	Royal Pavilion	1194 $\frac{1}{2}$	Summing	1196	Easily	5
82-24	Noble	Nashua	1165 $\frac{1}{2}$	Rit Cat	113 ^{no}	Sible Sue	11410	Drew out	7
72-19	Cure the Blues	1226 $\frac{1}{2}$	Matching Gift	1226	KanReason	1221	Bumped	7	

96Bel tr.t 6f fst 1:14 $\frac{3}{5}$ b

Jun 15 Bel tr.t 4f my :482 $\frac{5}{8}$ h (d)

Jun 26 Bel tr.t 6f fst 1:14 $\frac{3}{8}$ b Jun 15 Bel tr.t 4f my :48 $\frac{3}{8}$ h (d)

Fio Rito took to the lead and held off Winter's Tale's late charge to steal the race. The payoff to show on Winter's Tale was \$2.80, a reasonable payoff for a 3—2 shot, most of whose main opposition was scratched. My \$270 bet returned \$378, for a profit of \$108. The chart of the race was as follows:

EIGHTH RACE

Saratoga

AUGUST 1, 1981

1 1/2 MILES. (1.47) 54th Running THE WHITNEY HANDICAP (Grade I). \$150,000 Added. 3-year-olds and upward. By subscription of \$300 each, which should accompany the nomination; \$1,200 to pass the entry box, with \$150,000 added. The added money and all fees to be divided 60% to the winner, 22% to second, 12% to third and 5% to fourth. Weights Monday, July 27. Starters to be named at the closing time of entries. Trophies will be presented to the winning owner, trainer and jockey and mementoes to the grooms of the first four finishers. Closed with 37 nominations. Value of race \$175,500, value to winner \$105,300, second \$38,610, third \$21,060, fourth \$10,530. Mutuel pool \$265,447, OTB pool \$414,227.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1	
20Jly81	8Bel1	Fio Rito	b	6	113	3	4	1hd	1 1/2	1 1/2	11	1nk	Hulet L	10.20
19Jly81	7Bel1	Winter's Tale	b	5	121	1	8	4 1/2	5 1/2	5hd	3hd	21	Fell J	1.50
4Jly81	8Bel2	Ring of Light		6	114	7	5	3 1/2	31	21	2 1/2	3hd	Hernandez R	6.80
18Jly81	8Bel2	The Liberal Member		6	114	6	3	5hd	4hd	62	41	4 1/2	Cordero A Jr	3.00
19Jly81	9Del4	Joanie's Chief		4	108	2	2	7 1/2	71	8	6 1/2	5 1/2	Samyn J L	19.50
19Jly81	8Hol1	Noble Nashua		3	114	8	6	6 1/2	6hd	41	5 1/2	6 1/2	Maple E	4.20
19Jly81	8Bel3	Rivalero		5	114	4	7	8	8	7 1/2	7 1/2	72	Vasquez J	12.70
19Jly81	9Del8	Blue Ensign	b	4	109	5	1	2 1/2	21	3 1/2	8	8	Kaenel J L	51.00

OFF AT 5:45 EDT. Start good, Won driving. Time, :23 3/4, :46 3/4, 1:10, 1:34 1/4, 1:48 Track fast.

\$2 Mutuel Prices:

3-(D)-FIO RITO 22.40 6.20 3.80

1-(A)-WINTER'S TALE 4.00 2.80

8-(I)-RING OF LIGHT 4.20

Gr. h, by Dreaming Native—Seagret, by Sea Charger. Trainer Ferraro Michael. Bred by LeCesse R (NY).

FIO RITO broke through before the start, went right after the leaders, raced well out from the rail while making the pace, responded readily when challenged by RING OF LIGHT approaching the stretch and, after gaining a clear advantage with a furlong remaining, was all out to turn back WINTER'S TALE. The latter, never far back, moved up along the inside approaching the far turn, continued to save ground into the stretch and finished with good courage. RING OF LIGHT, reserved behind the early leaders into the backstretch, made a run from the outside at the far turn, remained prominent into the stretch but wasn't good enough. THE LIBERAL MEMBER, reserved early, rallied between horses after entering the stretch but failed to sustain his bid. JOANIE'S CHIEF, outrun early while saving ground, angled out entering the stretch and finished with good energy. NOBLE NASHUA, taken back early, commenced to rally while racing wide approaching the end of the backstretch, loomed a threat leaving the far turn but lacked a late response. RIVALERO was always outrun. BLUE ENSIGN, a forward factor to the far turn, drifted out while weakening.

Owners— 1, LeCesse R; 2, Rokeby Stable; 3, Sommer Viola; 4, Phipps O; 5, Barberino P; 6, Flying Zee Stable; 7, Calumet Farm; 8, Locust Hill Farm.

Trainers— 1, Ferraro Michael; 2, Miller Mack; 3, Martin Frank; 4, Penna Angel; 5, Jacobs Eugene; 6, Martin Jose; 7, Veitch John M; 8, Carroll Del W.

Overweight: The Liberal Member 1 pound; Rivalero 2.

Scratched—Amber Pass (19Jly81 9Del1); Glorious Song (1Jly81 9W01); Temperence Hill (18Jly81 8Bel8); Classic Trial (29Jly81 4Sar1).

*The Santa Ynez Stakes, Santa Anita,
February 2, 1983*

The first national conference on thoroughbred handicapping was held in Los Angeles, February 1–3, 1983. It was a great opportunity for us to hear the latest theories and experiences of many of America's top handicappers.* Also, we could combine the trip with a visit to Santa Anita on February 2.

*For those interested in the latest in handicapping, see our guide to this literature in Chapter Sixteen.

Set at the foot of the San Gabriel mountains in Arcadia, California, Santa Anita is one of America's most beautiful tracks. The warm southern California climate and the enormous Los Angeles population base contribute to the huge betting crowds. With its average daily handle of over \$5 million and large purses, Santa Anita draws an unusually high standard of jockeys, trainers, and thoroughbreds. Saturday and Sunday cards often contain races with purses worth several hundred thousand dollars. During the weekdays the purses and crowds are smaller but still considerable. For example, on Wednesday, February 2, the purses ranged from \$12,000–\$75,000 (added) with most races in the \$15,000–\$30,000 range.

It was a cold, wet day; the track condition was listed as muddy. Such off-tracks are usually a signal that the bettor should be cautious or not bet at all. The poor track condition can yield races that are not run true to form. In such cases long shots often replace favorites in the winner's circle, and the races are run in slow times. The grounds crew at Santa Anita, however, is famed for its handling of the track. The members of the crew knew that they needed to seal the track before the rain came. It was sealed by rolling the dirt track hard so that there would be a firm backing, even though the topsoil was muddy. The success of their work was apparent all day long when fractional and winning times were just about typical for a fast track. The muddy track gave a slight edge to strong front-runners, which, because of the efficiency in the win pool, was presumably reflected in the odds.* Dr. Z system bettors should be cautious on such days unless they have confidence that the horses are more or less running true to form.

Although we felt that the track would be all right for our Dr. Z system bets, we carefully monitored the situation throughout the day. In your own betting we recommend that you exercise caution or even stay home on off-track days until and unless you feel confident about your analysis of the situation. For your first few visits, try to select days when conditions are ideal: beautiful, sunny weekend days with the best horses and large pools.

The feature race of the day was the Santa Ynez Stakes with a \$75,000 added purse (\$83,550 total) for three-year-old fillies. The race was run over 7 furlongs and featured some top sprinters. The standout in the race, Fabulous Notion, had a perfect record with five strong wins in five outings.

*There is very little published evidence that the bettors do actually adjust their betting to reflect such track biases. Academics believe that the market for win bets remains efficient. Many handicappers no doubt believe that it does not remain efficient and that track biases are one of the key places to look for so-called overlays. One of the major track biases is that of post position. The advantage varies from track to track and by the length of the race. We are currently studying the effect of these biases on win, place, show, and exotic bets at Exhibition Park in 1982. The results will appear in Canfield, Fauman, and Ziemba (March 1984).

Her speed ratings were in the 90s for the sprint races and 83 in her only route race, which she won by six lengths.* All her wins were convincing. Today she had her steady jockey, Donald Pierce, a good post position, and strong recent workouts. Minor drawbacks were the additional weight assignment to 124 pounds and a month's layoff since her convincing win in the California Breeder's Championship Stakes on December 30, 1982. Fabulous Notion was the top choice of all the Santa Anita handicappers and the *Daily Racing Form's* consensus best bet of the day. The second choice was A Lucky Sign, who had a strong record of three wins in five starts. Her speed ratings were outstanding and very consistent. She would be guided in the irons by the great Chris McCarron, who had led her to two consecutive wins at Santa Anita recently.† Today she was picking up weight to start at 121 and was assigned the outside post position in the number 9 slot. Other strong horses were the undefeated Autumn Magic and Sophisticated Girl.

Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Daily

Racing Form

Trackman, Warren Williams **SANTA ANITA PARK** Selections Made for Fast Track

TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
8	FABULOUS NOTION A LUCKY SIGN SOPHISTICATED GIRL	FABULOUS NOTION A LUCKY SIGN TIME OF SALE	FABULOUS NOTION SOPHISTICATED GIRL A LUCKY SIGN	FABULOUS NOTION A LUCKY SIGN SOPHISTICATED GIRL	FABULOUS NOTION A LUCKY SIGN SOPHISTICATED GIRL	29 9 5

ANALYST'S

Santa Anita Comment

EIGHTH RACE

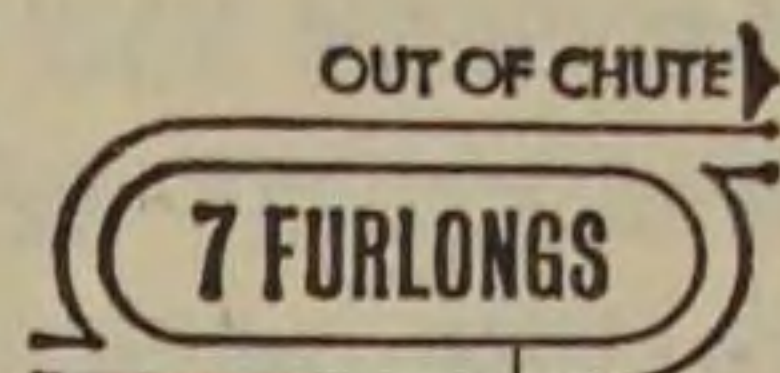
1—Fabulous Notion
2—Sophisticated Lady
3—A Lucky Sign

FABULOUS NOTION has yet to taste defeat and appears headed for her sixth straight win today despite giving away chunks of weight to her rivals. She must give 10 pounds to SOPHISTICATED GIRL, who won her last gamely and ran champion Landaluce to two

lengths in the Oak Leaf here last fall. The weight factor could easily tell in this spot. A LUCKY SIGN has won two stakes here at the meet, but will be stretching out an extra furlong today off strictly speed breeding. AUTUMN MAGIC has won her lone two starts but gets the acid test today. She can't be overlooked.

*A speed rating of 100 equals the track record at this distance. For every 1/5 second off the track record, one point is deducted. Hence a rating of 83 indicates that the race was run 3-2/5 seconds slower than the track record. Speed ratings above 80 are good; those above 90 are outstanding.

†As usual, Chris McCarron and Laffit Pincay, Jr. were locked in a duel for top jockey of the meet. As indicated by the following table, Pincay and McCarron were running 1-2 considerably above the other jockeys.



ABOUT 1,400 METERS

EIGHTH RACE

SANTA YNEZ STAKES (Grade II)

\$75,000 Added

For fillies three years old. (Foals of 1980). By subscription of \$50 each to accompany the nomination, \$100 to pass the entry box and \$750 additional to start, with \$75,000 added, of which \$15,000 to second, \$11,250 to third, \$5,625 to fourth and \$1,875 to fifth. 121 lbs. Winners of \$50,000 twice in 1982-83, 3 lbs. additional; of \$50,000 three times in 1982-83, 5 lbs. Non-winners of two races of \$25,000 since December 25 or two of \$25,000 or one of \$50,000 at any time allowed 2 lbs.; of a race of \$25,000 since December 25 or two of \$15,000 or one of \$25,000 at any time, 4 lbs.; of a race of \$12,000, 7 lbs. A trophy will be presented to the owner of the winner. Closed Wednesday, January 26, 1983, with 18 nominations.

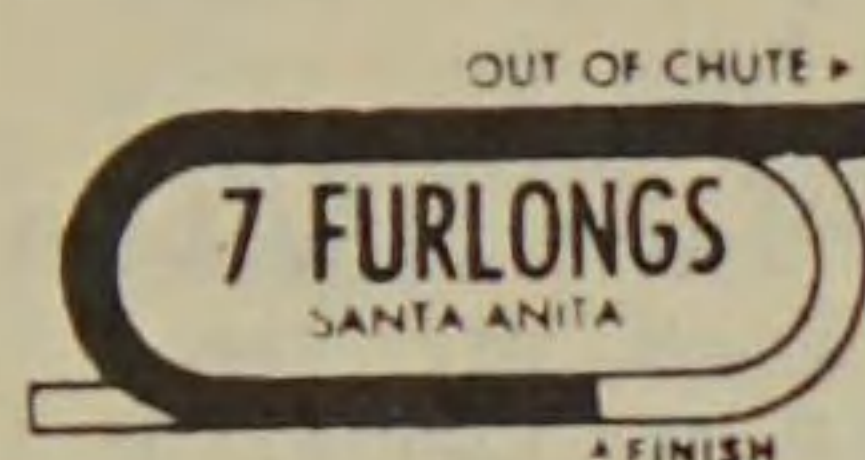
SANTA YNEZ RECORD—TERLINGUA (3) 121 lbs. 1979 1:21 $\frac{1}{5}$

Track Record—SPECTACULAR BID (4) 126 lbs. January 5, 1980 1:20

MAKE SELECTIONS BY NUMBER		PROBABLE ODDS	
OWNER	TRAINER	JOCKEY	
1 Claudia H. & Morey Mirkin Red, white interlocking horseshoes on back, white cuffs, red cap AUTUMN MAGIC B.f. '80, Proud Clarion—Autumn Amber Breeders—Brereton C. Jones & Louise I. Humphrey (Kentucky)	Gary Jones	Fernando Toro	6
2 Golden Eagle Farm Burgundy, gold eagle on back, gold sleeves, burgundy and gold cap SOPHISTICATED GIRL Br.f. '80, Stop the Music—Close Control, by Duncie Breeders—Dr. & Mrs. G. G. Meredith (Maryland)	Gary Jones	Eddie Delahoussaye	8
3 Pine Meadow Thoroughbred Pink, dark green and light green inverted sashes, light green cuffs, pink cap FABULOUS NOTION B.f. '80, Somethingfabulous—Careless Notion Breeder—Ray Stark (California)	James Jordan	Donald Pierce	7/5
4 Hanson Stock Farm White, red and white emblem on back, red sleeves, red and white cap EASTERN BETTOR Br.f. '80, Out of the East—Happy Bettor Breeder—Owner (California)	Loren Rettele	Patrick Valenzuela	15
5 Fred W. Hooper Blue, white circle "H", white shoulder straps, red sleeves, blue and red cap FLYING LASSIE Br.f. '80, Tri Jet—Delta Flight, by Delta Judge Breeder—Owner (Florida)	L. R. Fenstermaker	Terry Lipham	15
6 Poyer & Steinmann Blue and green diagonal halves, green and blue "HL" on back, blue sleeve, green sleeve, blue and green cap O'HAPPY DAY Br.f. '80, Coljak—Holiday Greetings, by Best Turn Breeder—Ron M. Linton (Maryland)	Loren Rettele	Sandy Hawley	12
7 Demeter & Oatlands Stable White, light blue sashes, light blue sleeves, white cuffs, white and blue cap D'ARQUES Br.f. '80, Crystal Water—Real Effort, by Sailor Breeders—Ron Stolich & Fran Aebi (California)	John Canty	William Shoemaker	20
8 Northwest Farms White, red and white emblem on back, red and white checked sleeves, red cap TIME of SALE Br.f. '80, Drum Fire—Run Tara Run Breeder—Owner (Washington)	C. R. Knight	Laffit Pincay, Jr.	15
9 Headley, Johnston, Johnston & Elizabeth Johnston (trustee) Red, white belt and bar on sleeves, red cap A LUCKY SIGN B.f. '80, Lucky Mike—Zealous Sally, by In Zeal Breeder—Old English Rancho (California)	Bruce Headley	Chris McCarron	5/2

EQUIPMENT CHANGE—Flying Lassie races with blinkers.

8th Santa Anita



7 FURLONGS. (120) 32nd Running of THE SANTA YNEZ STAKES (Grade II). \$75,000 added. Fillies. 3-year-olds. (Allowance). By subscription of \$50 each to accompany the nomination, \$100 to pass the entry box and \$750 additional to start, with \$75,000 added, of which \$15,000 to second, \$11,250 to third, \$5,625 to fourth and \$1,875 to fifth. Weight, 121 lbs. Winners of \$50,000 twice in 1982-83, 3 lbs. additional; of \$50,000 three times in 1982-83, 5 lbs. Non-winners of two races of \$25,000 since December 25 or two of \$25,000 or one of \$50,000 at any time allowed 2 lbs.; of a race of \$25,000 since December 25 or two of \$15,000 or one of \$25,000 at any time, 4 lbs.; of a race of \$12,000, 7 lbs. Starters to be named through the entry box by the closing time of entries. A trophy will be presented to the owner of the winner. Closed Wednesday, January 26, 1983 with 18 nominations.

Autumn Magic

Own.—Mirkin Claudia H & M

114

B. f. 3, by Proud Clarion—Autumn Ember, by Gallant Man

Br.—Jones B & Humphrey Louise (Ky) 1983 1 1 0 0 \$11,000

Tr.—Jones Gary 1982 1 1 0 0 \$9,350

Lifetime 2 2 0 0 \$20,350

14Jan83-7SA 1 $\frac{1}{16}$:46 1:10 $\frac{3}{4}$ 1:42 $\frac{4}{5}$ ft *8-5 115 43 31 $\frac{1}{2}$ 1 $\frac{1}{2}$ Toro F² ⒶAw20000 87 AutumnMgic,ChicNtiv,OrintlChmp 9
26Dec82-3SA 6f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:09 $\frac{2}{5}$ ft 11 117 86 $\frac{1}{4}$ 64 22 $\frac{1}{2}$ 12 Toro F⁵ ⒶMdn 91 Autumn Magic, Toga, SpruceSong 10
Jan 25 SA 4f m :48 $\frac{1}{4}$ h Dec 16 SA 4f ft :47 $\frac{3}{4}$ h Dec 9 SA 6f ft 1:13 h Dec 2 SA 6f ft 1:14 $\frac{1}{2}$ h

Sophisticated Girl

Own.—Golden Eagle Farm

114

Dk. b. or br. f. 3, by Stop the Music—Close Control, by Duncce

Br.—Meredith Dr—Mrs C G (Md) 1982 5 2 1 0 \$86,391

Tr.—Jones Gary

Lifetime 5 2 1 0 \$86,391

30Dec82-5SA 1 $\frac{1}{16}$:45 $\frac{1}{4}$ 1:11 1:44 $\frac{1}{5}$ ft *2-5 117 71 $\frac{1}{2}$ 57 2 $\frac{1}{2}$ hd 11 $\frac{1}{2}$ DihossyE³ ⒶAw20000 80 SophstctdGrl,HcklbrryHony,Mrznrs 9
28Nov82-6Hol 1 $\frac{1}{16}$:46 1:10 $\frac{4}{5}$ 1:42 $\frac{2}{5}$ ft *6-5e120 87 $\frac{1}{4}$ 74 $\frac{1}{4}$ 77 $\frac{1}{2}$ 59 $\frac{1}{2}$ DihossyE⁶ ⒶHol Strlt 73 FbulosNoton,O'HppyDy,StphnBryn 9
23Oct82-8SA 1 $\frac{1}{16}$:45 $\frac{1}{4}$ 1:09 $\frac{4}{5}$ 1:41 $\frac{4}{5}$ ft 18 115 46 $\frac{1}{4}$ 35 24 22 DihossyE¹ ⒶOak Leaf 90 Landluce,SophisticdGrl,GrnjRein 7
11Oct82-6SA 1 :46 $\frac{1}{4}$ 1:11 $\frac{3}{4}$ 1:38 $\frac{3}{4}$ ft 3 117 67 $\frac{1}{4}$ 52 $\frac{3}{4}$ 31 $\frac{1}{2}$ 12 $\frac{1}{2}$ DelahoussyE⁴ ⒶMdn 75 SophisticatedGirl,Mnznres,MuyJup 8
10Oct82-4SA 6f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:10 ft 10 117 111 91 $\frac{1}{2}$ 91 $\frac{1}{2}$ 43 $\frac{1}{2}$ DelahoussyE⁵ ⒶMdn 84 Osage Lady, Tiptopper, Loan 12
Jan 25 SA 5f m 1:03 h Jan 19 SA 4f gd :47 $\frac{1}{4}$ h Jan 12 SA 5f ft 1:00 $\frac{2}{5}$ h Jan 7 SA 4f ft :50 h

Fabulous Notion

Own.—Pine Meadows Thoroughbreds

124

B. f. 3, by Somethingfabulous—Careless Notion, by Jester

Br.—Stark R (Cal) 1982 5 5 0 0 \$378,368

Tr.—Jordan James

Lifetime 5 5 0 0 \$378,368

30Dec82-9SA 7f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:22 ft *2-3 122 32 $\frac{1}{2}$ 21 12 14 PiercD⁹ ⒶS Cal Brdrs 90 FbulosNoton,EstrnBttor,I'mPrstgs 10
28Nov82-8Hol 1 $\frac{1}{16}$:46 1:10 $\frac{4}{5}$ 1:42 $\frac{2}{5}$ ft 8 $\frac{1}{2}$ 120 2 $\frac{1}{2}$ hd 1 $\frac{1}{2}$ hd 14 16 Pierce D³ ⒶHol Strlt 83 FbulosNoton,O'HppyDy,StphnBryn 9
5Nov82-10LA 6f :22 :45 $\frac{1}{4}$ 1:10 $\frac{2}{5}$ ft *1-2 120 1 $\frac{1}{2}$ 11 11 1 $\frac{1}{2}$ PncLJr¹ ⒶSaddleback 93 FbulosNoton,EstrnBttor,LonForgnr 7
13Oct82-6SA 6f :21 $\frac{1}{4}$:45 1:09 $\frac{3}{5}$ ft *3-5 118 22 2 $\frac{1}{2}$ 1 $\frac{1}{2}$ 12 $\frac{1}{2}$ Pincay LJr⁶ ⒶAw20000 90 FabulousNotion,Infantes,OsageLdy 6
30Oct82-3SA 6f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:09 $\frac{1}{5}$ ft *3-5 117 1 $\frac{1}{2}$ 12 14 16 $\frac{1}{2}$ Pincay L Jr⁴ ⒶS Mdn 92 FabulousNotion,CastleInd,Ally'sLdy 7
Jan 31 SA 4f ft :47 h Jan 25 SA 6f m 1:14 $\frac{3}{5}$ h Jan 20 SA 5f ft 1:00 $\frac{2}{5}$ h Jan 15 SA 5f ft :58 h

Eastern Bettor

Own.—Hanson Stock Farm

119

Dk. b. or br. f. 3, by Out of the East—Happy Bettor, by Crazy Kid

Br.—Hanson Stock Farm (Cal) 1983 1 0 0 0 \$4,500

Tr.—Rettele Loren 1982 8 3 3 0 \$75,108

Lifetime 9 3 3 0 \$79,608

12Jan83-8SA 6f :21 $\frac{1}{4}$:44 1:09 $\frac{3}{5}$ ft 5 $\frac{1}{2}$ 119 96 $\frac{1}{4}$ 89 56 $\frac{1}{4}$ 46 $\frac{1}{2}$ McHrDG⁴ ⒶPasadena 83 ALuckySign,LotusDncr,PstryCun 12
30Dec82-8SA 7f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:22 ft 7 120 53 $\frac{1}{2}$ 54 $\frac{1}{2}$ 45 $\frac{1}{2}$ 24 SibillR⁶ ⒶS Cal Brdrs 86 FbulosNoton,EstrnBttor,I'mPrstgs 10
26Nov82-8BM 6f :22 $\frac{1}{4}$:46 $\frac{1}{4}$ 1:12 $\frac{4}{5}$ gd 2 $\frac{1}{2}$ 116 33 $\frac{1}{2}$ 22 2 $\frac{1}{2}$ hd 13 Hall D C² ⒶS Crtshp 76 EstrnBttor,LuckyLksd,MkThSnshn 7
17Nov82-8Hol 6 $\frac{1}{2}$ f :21 $\frac{3}{4}$:44 $\frac{1}{4}$ 1:16 $\frac{1}{5}$ ft 4 115 74 $\frac{1}{4}$ 65 71 $\frac{1}{4}$ 61 $\frac{1}{2}$ VlenzulPA⁸ ⒶTrlingua 79 LuckyLkesid,I'mPrstigious,CstlInd 10
5Nov82-10LA 6f :22 :45 $\frac{1}{4}$ 1:10 $\frac{2}{5}$ ft 5 120 33 $\frac{1}{2}$ 31 $\frac{1}{2}$ 31 2 $\frac{1}{2}$ VlnlPA⁷ ⒶSaddleback 92 FbulosNoton,EstrnBttor,LonForgnr 7
24Oct82-4SA 6f :21 $\frac{3}{4}$:44 $\frac{1}{4}$ 1:09 $\frac{4}{5}$ ft 26 114 31 $\frac{1}{2}$ 2 $\frac{1}{2}$ 1 $\frac{1}{2}$ hd 11 $\frac{1}{2}$ VlenzulPA⁵ ⒶAw20000 89 EstrnBttor,ALuckySign,LonForgnr 7
15Oct82-3SA 6f :22 :45 $\frac{1}{4}$ 1:11 ft 4 $\frac{1}{2}$ 117 42 53 $\frac{3}{4}$ 42 $\frac{3}{4}$ 12 Sibille R⁷ ⒶM32000 83 EsternBettor,KnitTwo,HonyDon't 12
11Jun82-4Hol 5f :21 $\frac{1}{4}$:44 $\frac{3}{4}$:57 $\frac{2}{5}$ ft 13 116 101 $\frac{1}{2}$ 91 $\frac{1}{2}$ 91 $\frac{1}{2}$ 81 $\frac{1}{2}$ McHargue DG⁴ ⒶMdn 80 Barzell, Lituya Bay, Body Talk 10
16May82-4AC 2f :22 $\frac{3}{4}$ ft 4 $\frac{1}{2}$ 115 5 32 21 $\frac{1}{2}$ Vilches A⁴ Mdn — ArticuldProof,EstrnBttor,Fbld'mg 9
Jan 26 SA 5f sl 1:01 $\frac{3}{5}$ h Jan 20 SA 5f ft 1:01 h Jan 6 SA 5f ft 1:02 h Dec 25 SA 5f ft :58 $\frac{1}{4}$ h

O'Happy Day

Own.—Poyer & Steinmann

114

Dk. b. or br. f. 3, by Cojak—Holiday Greetings, by Best Turn

Br.—Linton R M (Md) 1982 8 2 2 0 \$132,345

Tr.—Rettele Loren Turf 1 0 0 0 \$2,250

Lifetime 8 2 2 0 \$132,345

18Dec82-8BM 1 $\frac{1}{16}$:47 1:12 $\frac{2}{5}$ 1:46 $\frac{2}{5}$ ft *1 115 65 $\frac{1}{4}$ 21 $\frac{1}{2}$ 21 $\frac{1}{2}$ 21 $\frac{1}{2}$ BazeRA⁴ ⒶB M Lassie 66 BabyDoon,O'HppyDy,AmbitiousGl 14
8Dec82-8Hol 1 $\frac{1}{16}$ Ⓐ:46 $\frac{2}{5}$ 1:11 $\frac{4}{5}$ 1:43 fm 3 $\frac{1}{2}$ 117 2 $\frac{1}{2}$ 2 $\frac{1}{2}$ hd 21 $\frac{1}{2}$ 45 HwleyS⁹ ⒶTrksh Trsrs 79 LituyaBay,GoldSpruce,GranjaReina 9
28Nov82-8Hol 1 $\frac{1}{16}$:46 1:10 $\frac{4}{5}$ 1:42 $\frac{2}{5}$ ft 28 120 65 $\frac{1}{2}$ 64 $\frac{1}{4}$ 45 26 Hawley S⁹ ⒶHol Strlt 77 FbulosNoton,O'HppyDy,StphnBryn 9
5Nov82-7Hol 1 :46 $\frac{1}{4}$ 1:11 $\frac{3}{4}$ 1:38 $\frac{1}{5}$ ft 9 $\frac{1}{2}$ 118 1 $\frac{1}{2}$ hd 2 $\frac{1}{2}$ hd 1 $\frac{1}{2}$ hd 1no Hawley S⁴ ⒶAw20000 75 O'HappyDy,GrnjRein,DoubleSmoke 7
21Oct82-6SA 1 $\frac{1}{16}$:46 $\frac{2}{5}$ 1:11 $\frac{2}{5}$ 1:44 $\frac{3}{5}$ ft 3 $\frac{1}{2}$ 117 21 2 $\frac{1}{2}$ hd 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ Sibille R⁸ ⒶMdn 78 O'HappyDy,CsSh'sALdy,ContnntlGrl 8
10Oct82-4SA 6f :21 $\frac{1}{4}$:44 $\frac{1}{4}$ 1:10 ft 54 117 43 $\frac{1}{2}$ 55 $\frac{3}{4}$ 56 $\frac{3}{4}$ 63 $\frac{3}{4}$ Sibille R³ ⒶMdn 84 Osage Lady, Tiptopper, Loan 12
4Sep82-6Dmr 6f :21 $\frac{1}{4}$:45 1:10 $\frac{2}{5}$ ft 23 117 65 $\frac{1}{2}$ 51 $\frac{1}{2}$ 57 $\frac{1}{2}$ 41 $\frac{1}{2}$ Sibille R³ ⒶMdn 74 OlympicSkis,NtliB.Frindly,RdEmbr 12
25Aug82-6Dmr 6f :22 $\frac{1}{4}$:45 $\frac{2}{5}$ 1:10 $\frac{2}{5}$ ft 12 117 74 $\frac{1}{2}$ 81 $\frac{1}{2}$ 81 $\frac{1}{2}$ 51 $\frac{1}{2}$ Sibille R¹² ⒶMdn 74 MissBigWig,DncingGust,Isblld'Est 12
Jan 31 SA 4f ft :47 $\frac{3}{4}$ h Jan 26 SA 5f sl 1:01 $\frac{3}{5}$ h Jan 17 SA 6f ft 1:12 $\frac{3}{5}$ h Jan 12 SA 5f ft :59 $\frac{3}{4}$ h

D'Arques

Own.—Demeter & Oatlands Stable

114

Dk. b. or br. f. 3, by Crystal Water—Real Effort, by Sailor

Br.—Stolich R & Aebi Fran (Cal)

1983 1 1 0 0

\$9,350

Tr.—Canty John

1982 8 M 3 0

\$13,025

Lifetime 9 1 3 0 \$22,375

12Jan83-4SA	6f	:212	:44 ³	1:10 ³ ft	*6-5	117	63	65	3nk	1 ¹ / ₂	ShoemkrW ¹⁰	85	D'Arques, Agigael, Shesqueennow	11
29Dec82-4SA	6f	:214	:45	1:10 ft	*6-5	117	2hd	1 ¹ / ₂	11 ¹ / ₂	22	ShoemkrW ³	86	PstryQueen, D'Arques, Shesqueennow	9
18Nov82-6Hol	6f	:221	:45 ¹	1:10 ² ft	*6-5	117	31	3 ¹ / ₂	2hd	2no	Sibille R ²	85	BlueJetSet, D'Arques, Casey's Poona	9
28Oct82-6SA	6f	:213	:44 ²	1:09 ³ ft	11	117	51 ¹ / ₂	46 ¹ / ₂	32	21 ¹ / ₄	ShoemkrW ³	89	I'm Prstigious, D'Arques, Stphni Bryn	10
16Oct82-3SA	6f	:212	:44 ³	1:08 ⁴ ft	11	117	34 ¹ / ₂	35	36	49 ¹ / ₂	ShoemkrW ⁶	84	ALuckySign, Vivaciously, ChiquitGt	12
27Aug82-4Dmr	6f	:22	:45 ¹	1:11 ft	15	117	2hd	65 ¹ / ₂	81	110 ¹ / ₅	Diaz A L ⁹	68	WickedFall, KookieKper, LdeirG'nd	11
11Aug82-4Dmr	6f	:22	:45 ⁴	1:11 ³ ft	6 ³ / ₄	117	12 ¹ / ₂	12 ¹ / ₂	23 ¹ / ₂	49 ¹ / ₂	Diaz A L ⁸	70	GrnjRein, OlympicBronze, NtliN'Me	9
1Aug82-4Dmr	6f	:221	:45 ⁴	1:12 ² ft	4 ¹ / ₂	117	1hd	56	54 ¹ / ₂	45 ¹ / ₂	Diaz A L ⁴	70	ShowMeDeer, NtliN'M, Ms. Spilbindr	6
27May82-4Hol	5f	:22	:45 ¹	:57 ³ ft	15	116	42 ¹ / ₂	45 ¹ / ₂	51 ³ / ₄	61 ⁴ / ₄	Olivares F ¹⁰	77	JustLikeHelen, SlewMnet, LdirG'nd	10

Jan 28 SA 6f sl 1:17³ hJan 6 SA 5f ft 1:00⁴ hDec 20 SA 6f ft 1:13³ h**Time Of Sale**

Own.—Northwest Farms

119

Dk. b. or br. f. 3, by Drum Fire—Run Tara Run, by Run for Nurse

Br.—Northwest Farms (Wash)

1983 1 1 0 0

\$12,100

Tr.—Knight Chay R

1982 6 2 1 1

\$66,949

Lifetime 7 3 1 1 \$79,049

21Jan83-7SA	6 ¹ / ₂ f	:213	:44 ³	1:16 ³ ft	2 ¹ / ₄	121	21 ¹ / ₂	21 ¹ / ₂	11 ¹ / ₂	1nk	McCrrnCJ ⁶	87	TimeOfSle, LonForignr, ShriliBrown	6
23Oct82-8SA	1 ¹ / ₆ f	:45 ⁴	1:09 ⁴	1:41 ⁴ ft	27	115	2hd	45 ¹ / ₂	61 ⁷ / ₂	72 ³ / ₂	CstnedM ³	69	Landlucce, SophisticatedGirl, GrnjRein	7
11Oct82-8SA	7f	:222	:45	1:21 ⁴ ft	14	120	1hd	22	28	31 ¹ / ₂	McCrrnCJ ¹	80	Landalucce, Rare Thrill, TimeOfSale	8
18Sep82-9Lga	1	:46 ¹	1:12 ¹	1:38 ¹ ft	*1	121	21	31	61 ⁰ / ₂	71 ⁶ / ₂	LiphmT ⁹	62	Pretencia, Theonia First, Aunt Iva	10
5Sep82-9Lga	6 ¹ / ₂ f	:22	:45	1:18 ¹ ft	*2 ³ / ₄	118	41 ¹ / ₄	42 ¹ / ₂	44	2 ¹ / ₂	LiphamT ⁷	77	Big Flyer, Time Of Sale, Thurman	12
16Aug82-8Dmr	1	:46	1:11	1:38 ² ft	16	113	52 ¹ / ₄	42 ³ / ₄	52 ³ / ₄	1 ¹ / ₂	ShomkrW ⁸	76	Time Of Sale, ShariliBrown, Infantes	8
30Jly82-6Dmr	6f	:221	:45 ⁴	1:11 ⁴ ft	22	110 ⁵ / ₅	31 ¹ / ₂	22 ¹ / ₂	22 ¹ / ₂	1 ¹ / ₂	CapilineNM ³	79	TimeOfSale, Blanquit, Nvonod'sStr	12

Jan 30 SA 4f gd :49³ h

Jan 20 SA 3f ft :35 h

Jan 16 SA 5f ft :59² hJan 5 SA 6f ft 1:13³ hg**A Lucky Sign**

Own.—Hdly-Jhnstn-ElzJhnstn(Trst)

121

B. f. 3, by Lucky Mike—Zealous Sally, by In Zeal

Br.—Old English Rancho (Cal)

1983 1 1 0 0

\$42,250

Tr.—Headley Bruce

1982 4 2 1 0

\$54,825

Lifetime 5 3 1 0 \$97,075

12Jan83-8SA	6f	:211	:44	1:09 ³ ft	*2 ¹ / ₄	119	42	22 ¹ / ₂	2hd	12	McCrrnCJ ²	90	ALuckySign, LotusDncr, PstryCun	12
29Dec82-8SA	6f	:211	:43 ⁴	1:09 ⁴ ft	*9-5	118	2hd	21 ¹ / ₂	1 ¹ / ₂	1 ¹ / ₂	McCrrnCJ ⁵	89	ALuckySign, LotusDncr, OrintlChmp	8
24Oct82-4SA	6f	:213	:44 ²	1:09 ⁴ ft	*2-3	118	11 ¹ / ₂	1 ¹ / ₂	2hd	21 ¹ / ₄	Pincay LJ ⁶	88	EstrnBttor, ALuckySign, LonForignr	7
16Oct82-3SA	6f	:212	:44 ³	1:08 ⁴ ft	*6-5	117	1 ¹ / ₂	12 ¹ / ₂	16	17	McCarronCJ ⁵	94	ALuckySign, Vivaciously, ChiquitGt	12
30Oct82-3SA	6f	:211	:44 ²	1:09 ¹ ft	6 ¹ / ₄	117	2 ¹ / ₂	32	46 ¹ / ₂	41 ² / ₂	McCarronCJ ⁶	80	FabulousNotion, CastleInd, Ally'sLdy	7

Jan 7 SA 5f ft 1:00 h

Dec 23 SA 5f sl 1:00 h

●Dec 17 SA 5f ft :58³ h●Dec 9 SA 6f ft 1:10² hg*The leading jockeys at Santa Anita Park from December 26, 1982–January 30, 1983*

Jockey	Mounts	First	Second	Third	Winning Percentage	In-the-Money Percentage
McCarron, C. J.	166	41	27	19	25	52
Pincay, L. Jr.	141	37	26	12	26	53
Delahoussaye, E.	173	24	27	19	14	41
Shoemaker, W.	96	15	12	11	16	40
Black, K.	110	14	10	8	13	29
Valenzuela, P. A.	159	13	16	20	08	31
Hawley, S.	130	12	16	15	09	33
Steiner, J. J. ^a	120	12	11	13	10	30
Romero, R. P.	126	11	13	18	09	33
Toro, F.	119	10	11	20	08	35

^aApprentice.

Both Fabulous Notion and A Lucky Sign looked like outstanding horses, with Fabulous Notion the top choice. Either one seemed like a good bet if the odds to place or show were good enough. A Lucky Sign was about a

3—1 shot to win throughout the betting period, and her place and show odds were never favorable. However, Fabulous Notion was an outstanding show bet and a good place bet. The evolution of the odds, betting pools, and optimal betting amounts was as follows:

		#3 Fabulous Notion	Expected Return per Dollar Bet on Fabulous Notion	Optimal Bet on Fabulous Notion	Totals (\$)
	Odds	4—5			
	Win bet	21,010			49,084
12 min to post	Place bet	7,502	0.99	0	19,955
	Show bet	1,048	1.60	334	6,617
	Odds	1—1			
	Win bet	24,315			57,123
9 min to post	Place bet	8,842	0.99	0	23,518
	Show bet	1,166	1.70	335	8,142
	Odds	4—5			
	Win bet	28,713			67,145
7 min to post	Place bet	11,032	0.98	0	28,825
	Show bet	1,485	1.67	343	10,080
	Odds	4—5			
	Win bet	42,157			97,510
5 min to post	Place bet	13,397	1.08	0	40,261
	Show bet	2,357	1.67	366	15,892
	Odds	1—1			
	Win bet	46,491			110,022
4 min to post	Place bet	14,550	1.10	0	46,040
	Show bet	3,142	1.48	358	17,762
	Odds	1—1			
	Win bet	70,673			166,666
1 min to post	Place bet	19,631	1.17	99	67,792
	Show bet	5,763	1.31	282	26,155
	Odds	4—5			
	Win bet	95,726			209,713
	Place bet	23,415	1.21	187	79,062
Final	Show bet	8,387	1.25	303	32,493

With one minute to post time, the expected value to place was 1.17 and to show 1.31. Our betting fortune was \$1,000. The optimal betting equations programmed into our calculator indicated a place bet of \$99 and a show bet of \$282 on Fabulous Notion. As the following chart of the race indicates, A Lucky Sign won the race, followed by Sophisticated Girl, and Fabulous Notion was third. Thus we won our show bet and lost our place bet. Our profit was $(282)(0.4) - 99 = 112.80 - 99 = 13.80$.

EIGHTH RACE **Santa Anita**

FEBRUARY 2, 1983

7 FURLONGS. (120) 32nd Running of THE SANTA YNEZ STAKES (Grade II). \$75,000 added. Fillies. 3-year-olds. (Allowance). By subscription of \$50 each to accompany the nomination, \$100 to pass the entry box and \$750 additional to start, with \$75,000 added, of which \$15,000 to second, \$11,250 to third, \$5,625 to fourth and \$1,875 to fifth. Weight, 121 lbs. Winners of \$50,000 twice in 1982-83, 3 lbs. additional; of \$50,000 three times in 1982-83, 5 lbs. Non-

winners of two races of \$25,000 since December 25 or two of \$25,000 or one of \$50,000 at any time allowed 2 lbs.; of a race of \$25,000 since December 25 or two of \$15,000 or one of \$25,000 at any time, 4 lbs.; of a race of \$12,000, 7 lbs. Starters to be named through the entry box by the closing time of entries. A trophy will be presented to the owner of the winner. Closed Wednesday, January 26, 1983 with 18 nominations.

Value of race \$82,800, value to winner \$49,050, second \$15,000, third \$11,250, fourth \$5,625, fifth \$1,875. Mutuel pool \$321,268.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	Str	Fin	Jockey	Odds \$1
12Jan83 8SA1	A Lucky Sign	b	3	121	8	4	21	1 1/2	11 1/2	1 1/2	McCarron C J	3.00
30Dec82 5SA1	Sophisticated Girl	b	3	116	2	7	71	73	3 1/2	2 1/2	Delahoussaye E	10.10
30Dec82 8SA1	Fabulous Notion	b	3	124	3	8	6 1/2	42	22 1/2	34 1/2	Pierce D	.80
12Jan83 8SA4	Eastern Bettor		3	119	4	5	31 1/2	31 1/2	43	42 1/2	Valenzuela P A	14.60
18Dec82 8BM2	O'Happy Day	b	3	114	5	2	53	5 1/2	51 1/2	5 1/2	Hawley S	28.90
14Jan83 7SA1	Autumn Magic		3	115	1	6	8	8	72	66	Toro F	6.10
21Jan83 7SA1	Time Of Sale	b	3	119	7	1	1hd	21 1/2	62	78 1/2	Pincay L Jr	22.50
12Jan83 4SA1	D'Arques		3	114	6	3	4 1/2	61	8	8	Shoemaker W	38.30

OFF AT 4:00. Start good for all but FABULOUS NOTION. Won driving. Time, :22 1/5, :44 1/5, 1:10, 1:23 1/5 Track sloppy.

\$2 Mutuel Prices:

9-A LUCKY SIGN	8.00	3.60	3.40
2-SOPHISTICATED GIRL		7.00	3.80
3-FABULOUS NOTION			2.80

B. f, by Lucky Mike—Zealous Sally, by In Zeal. Trainer Headley Bruce. Bred by Old English Rancho (Cal).

A LUCKY SIGN, engaged for the lead at once, disposed of TIME OF SALE in the upper stretch and held SOPHISTICATED GIRL safe. The latter lacked early speed, rallied strongly on the outside around the turn and was gaining on the winner at the end. FABULOUS NOTION broke in the air and was off behind her field, rallied on the outside around the turn, then weakened slightly in the final sixteenth. EASTERN BETTOR went evenly. AUTUMN MAGIC was never a factor. TIME OF SALE vied for the early lead inside the winner and tired in the stretch. D'ARQUES had brief early speed and also tired badly in the stretch. All starters except O'HAPPY DAY wore mud calks.

Owners— 1, Hdly-Jhnstn-Eliz Jhnstn(Trstee); 2, Golden Eagle Farm; 3, Pine Meadows Thoroughbreds; 4, Hanson Stock Farm; 5, Poyer & Steinmann; 6, Mirkin Claudia H & M; 7, Northwest Farms; 8, Demeter & Oatlands Stable.

Overweight: Sophisticated Girl 2 pounds; Autumn Magic 1.

Scratched—Flying Lassie (12Jan83 8SA6).

The Seventh Race, Exhibition Park, Vancouver, British Columbia, April 13, 1983

The seventh race on the card Wednesday, April 13, 1983, was an allowance race for three-year-olds with a purse of \$6,400. The 6-furlong race featured two standouts, Intoxicator and Highly Rumored, running against four considerably weaker horses. It was the second day of the 1983 meet and this race was the first of the year for all six starters. They all had spent their racing careers at Exhibition Park and had not run since the late summer of 1982.

It was a beautiful, clear night with Vancouver's springtime view of the mountains and ocean coast at its best. The track was fast. I was anxious to see what changes the new season had brought and to get organized for the summer betting. I knew, as well, that the early part of any new meet is a time to be cautious; it is wise to wait until the horses' forms become well established. Hence I kept my betting fortune to a modest \$300.

Both Intoxicator and Highly Rumored looked quite promising. They were ridden by two top local jockeys, Kenny Skinner and Chris Loseth. Both Skinner and Loseth were former Exhibition Park jockey champions who

were returning from riding stints in the United States to be in Vancouver for the summer meet.

Intoxicator was purchased for \$105,000, a handsome sum for a Vancouver-based thoroughbred, and has been lightly raced. The *Daily Racing Form's* consensus of experts thought that he was ready for a big race and installed Intoxicator as an overwhelming favorite. The impressive rating of 33 out of 35 in the consensus made him the best bet for the day. Highly Rumored was expected to give Intoxicator a good run for the money but to be outclassed. Since both Intoxicator and Highly Rumored had not run much during 1982, had failed at low odds, and would be starting for the first time this season, I was cautious. I liked them both but would bet only if the odds were good.

7

6 FURLONGS

About 1200 Meters

QUINELLA FEATURE

&

SWEEP SIX

D

WIN

PLACE

SHOW

COMBINATIONS TO BUY

--	--	--	--	--	--	--	--

ALLOWANCE. PURSE \$6400. For three-year-olds which have never won two races. 120 lbs. Maidens allowed 5 lbs.

ASK FOR HORSE BY THIS NUMBER

SELECTIONS: 1-5-6

	OWNER	TRAINER	Jockey Morning Line
1	B., G. & J. Billan Red & white stripes, blue yoke, white "B" on back INTOXICATOR B c 3. Drum Fire—Must Dream	W. H. MacDonald 120	Ken Skinner 8/5
2	A. C. Pettigrew Red, green hoop CARI A SMILE Ch g 3. Caribbean—Tear and a Smile	†Owner ***110	Buford Mills 15
3	C. B. Scott Purple, gold trim, "CBS" on back SARGEANT BOOTS Gr g 3. Craig D.—Some Dancer	D. Rooks 115	Brian Johnson 12
4	J. Diamond Blue, white diamonds on back & sleeves PRIVATIZATION Ro g 3. Search For Gold—Figure Conscious	H. Johnson 120	Sam Krasner 5
5	Five Brothers Stable Fluorescent yellow, "Five Bros." on back HIGHLY RUMORED Ch c 3. High Tribute—Foolish Rumor	D. Forster 120	Chris Loeth 9/5
6	E. & A. Tomlenovich Blue & gold blocks DAVE'S MAN Ch c 3. Medieval Man—Barbarosa	A. Tomlenovich 115	Ray Craighton 4

Exhibition COMMENT

SEVENTH RACE

INTOXICATOR came up a touch short in that stakes attempt last July but is again prepping well for his seasonal bow and will take some beating. HIGHLY RUMORED showed much promise last year and has also been lively in the mornings. PRIVATIZATION showed nothing after that impressive debut but may be ready for better things now.



EXPERTS' SELECTIONS

Consensus Points: 5 for 1st (best 7), 2 for 2d, 1 for 3d. Best in CAPITALS.

Trackman, Tim Toon		EXHIBITION PARK			Selections Made for Fast Track	
RACE	TRACKMAN	HERMIS	HANDICAP	ANALYST	SWEEP	CONSENSUS
7	INTOXICATOR Highly Rumored Sargeant Boots	Intoxicator Highly Rumored Sargeant Boots	INTOXICATOR Sargeant Boots Highly Rumored	INTOXICATOR Highly Rumoured Privatization	INTOXICATOR Highly Rumored Privatization	INTOXICATOR Highly Rumored Sargeant Boot

33
9
4

Throughout the betting period the odds on both Intoxicator and Highly Rumored were good and both looked like Dr. Z system bets.

With one minute to post time the tote board was as follows:

	Totals	#1 Intoxicator	#5 Highly Rumored
Odds		3—5	7—5
Win	22,814	11,006	7,850
Show	4,564	1,408	950

The optimal bets were \$90 on Intoxicator and \$50 on Highly Rumored.* The expected values per dollar bet were 1.14 and 1.18, respectively. The last-minute betting was concentrated on Highly Rumored to win and Intoxicator to show. This reinforced the Highly Rumored show bet and made the Intoxicator show bet not quite so good. The tote board at post time was

*The calculation of the optimal wagers when there are two different bets is discussed in Chapter Sixteen.

	Totals	#1 Intoxicator	#5 Highly Rumored
Odds		4—5	6—7
Win	28,486.00	13,044.00	10,170.00
Show	6,637.00	2,016.00	1,358.00
Expected value		1.12	1.21
Optimal bet		\$90	\$50

The race was run true to form. Intoxicator was a wire-to-wire winner by nine lengths over Highly Rumored. The 40—1 longshot, Cari A Smile, finished third. The chart of the race and mutuel payoffs were as follows:

7th Six furlongs. Three-year-olds. Claiming Allowance. Purse \$6,400.								
Horse	Jockey	Wt	P	¼	½	Str	Fin	Odds
Intoxicator	Skinner	120	1	1-2	1-3	1-5	1-9	.80
Highly Rumored	Lueth	120	5	3-4	2-3	2-5	2-3½	1.35
Cari A Smile	Mills	110	2	4-4	4-2	4-2	3-2	41.20
Sargeant Boots	Johnson	115	3	6	5-4	5-4	4-nk	19.95
Dave's Man	Creighton	115	6	2-h	3-4	3-1	5-2	9.45
Privatization	Krasner	120	4	5-1½	6	6	6	17.80
Time — :22.4, :45.4, 1:11.								
Winner: Drum Fire-Must Dream.								
Trainer: W. MacDonald.								
INTOXICATOR					3.60	2.50	2.50	
HIGHLY RUMORED						2.60	2.80	
CARI A SMILE							4.40	

Intoxicator paid as much to show as to place, and Highly Rumored paid more. This happens often with Dr. Z system bets. My bets of \$90 on Intoxicator and \$50 on Highly Rumored returned \$112.50 and \$70, respectively, for a \$42.50 profit.

*The Kentucky Oaks, Churchill Downs,
Louisville, Kentucky, Friday, May 6, 1983*

The Kentucky Oaks is the Kentucky Derby for fillies. It is run each year the Friday before the first Saturday in May, which is the day the Derby is run, and features the top three-year-old fillies. The 1½-mile race is for a \$150,000 added purse. In the 1940s and 1950s, the Kentucky Oaks, the Pimlico Oaks, and the Coaching Club American Oaks at Belmont were referred to as the triple crown for fillies. In recent years the triple crown usually refers to three races all run at Belmont: the Acorn Mile, the Mother Goose, and the Coaching Club American Oaks. Davona Dale won the Kentucky Oaks, the Black Eyed Susan Stakes at Pimlico (formerly the Pimlico Oaks) and the triple crown in 1979, an impressive record over the brief two month period in May and June when these five races were held.

We had been in Chicago for a Management Science Conference, where I participated in sessions on options pricing, efficient markets, and the mathematics of gambling. During the week preceding the race, while I was doing research at the Keeneland racetrack library in Lexington for this book, the spring rains had been continual and extremely heavy.* Fortunately, the rain ended on Wednesday, and by the end of the day on Thursday, the track even had to be watered. On Friday the weather was sunny, and the track was blazing fast. In the first race, Modicum, running in his second career start, broke the $4\frac{1}{2}$ -furlong track record by $\frac{2}{5}$ second to win the race in $51\frac{2}{5}$ seconds. A description of this race appeared in Chapter Five.

Princess Rooney was an overwhelming favorite to win the 1983 Kentucky Oaks. She had nine previous races and had won them all by margins of three, four, eight, ten, twelve and even eighteen lengths. In only one race was the outcome in doubt. She held on for a half-length victory in a \$30,000 allowance race. She had run recently, winning her two races at the Keeneland meet by a total of $19\frac{1}{2}$ lengths.

Many observers had hopes that her owner, Paula Tucker, and trainer, Frank Gomez, could be persuaded to enter Princess Rooney in the 1983 Kentucky Derby. No doubt she would have been one of the favorites, along with Sunny's Halo and Marfa. Since a filly had won the Kentucky Derby only twice in 108 runnings, the chance of such a victory was appealing to many observers ever since Genuine Risk won in 1980. It is well known that the Derby, with its 20 starters and intense competition, is a very demanding and difficult race. Many horses never recover from a Derby race. For a stallion whose value might escalate by \$10 million as a result of a Derby victory, such a risk is well worth taking. But for a filly there is not much money to be gained in breeding. The risks of the race may well dominate the possible added prestige and breeding value. As Princess Rooney's trainer summed it up, "... you would not have Chris Evert play Jimmy Connors at Wimbledon."

So Princess Rooney was in the Oaks. The rest of the field was reasonably strong and would give Princess Rooney her toughest test to date. The main competition was from the Tom Gentry filly, Rosy Spectre, who had finished first or second in each of her five career starts. The *Daily Racing Form's* consensus gave Princess Rooney a perfect 35/35 rating, since she was rated the best bet of the day by all five of their expert selectors. She had the advantageous post position, number 1, and was ridden by the veteran jockey Jacinto Vasquez. The 1—5 morning-line odds in the program and the *Daily*

*The Keeneland library on the grounds of the Keeneland Racetrack has a wonderful collection of books and materials on all aspects of thoroughbred racing. Their materials date to the eighteenth century. It is open to the public and has a very courteous and helpful staff.

Racing Form's expert selection's best bet of the day seemed justified. Weekend Surprise, Number 6, was scratched, so the field had seven starters.

Last Race Exacta Wagering Now Available

1 1/8 MILES

START A FINISH

STAKE

Purse \$150,000-Added

WIN

PLACE

SHOW

8

THE KENTUCKY OAKS

(One Hundred and Ninth Running)

FILLIES, THREE YEARS OLD. By subscription of \$100 each: \$750 to pass the entry box; \$750 additional to start with \$150,000 added of which 65% of all monies to the owner of the winner, 20% to second, 10% to third and 5% to fourth. Weight, 121 lbs. Closed Tuesday, February 15, 1983 with 187 Nominations. A silver trophy to the winning owner.

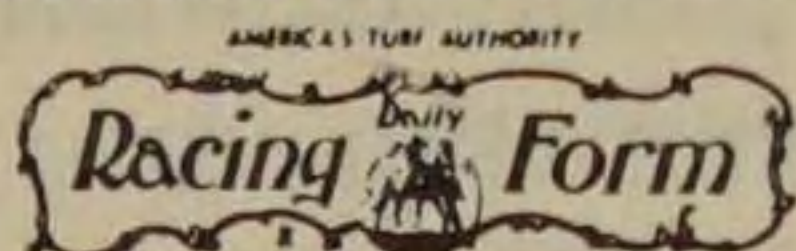
Track Record—AEROFLINT (3) 116 lbs.; 1:48 2/5; Nov. 18, 1961
LAS OLAS (4) 111 lbs.; 1:48 2/5; Nov. 21, 1959

MAKE SELECTION BY NUMBER

Owner	Trainer	Jockey/Morn. Line
<div>1</div> <div>PAULA TUCKER</div> <div>Light Blue, White Dots, White Chevrons on Sleeves</div> <div>Light Blue Cap</div> <div>PRINCESS ROONEY 121</div> <div>Gr.f.(1980), Verbatim—Parrish Princess by Drone</div> <div>Bred in Kentucky by Ben and Tom Roach</div>	FRANK GOMEZ	1-5 JACINTO VASQUEZ
<div>2</div> <div>MRS. V. LEVAN,</div> <div>MRS. B. WALTERS AND L. WESTON</div> <div>Pink, Grey Blocks, Pink Cap</div> <div>BRIGHT CROCUS 121</div> <div>Ch.f.(1980), Clever Tell—Bold Saffron by Bold Hour</div> <div>Bred in Kentucky by T. I. Harkins</div>	ADRIAN J. MAXWELL	8 SANDY HAWLEY
<div>3</div> <div>EVERETT LOWRANCE</div> <div>Orange, Green "L," Green Bars on Sleeves</div> <div>Orange Cap</div> <div>FIFTH QUESTION 121</div> <div>Gr.f.(1980), Fifth Marine—Little Divy by Royal Cap</div> <div>Bred in Oklahoma by Everett Lowrance</div>	JAMES ECKROSH	10 PAT DAY
<div>4</div> <div>WHITE FOX FARM</div> <div>(Dewey White)</div> <div>Maroon, Silver Hoops, Mar. Chev. on Silver Slvs., Silv. Cap</div> <div>SHAMIVOR 121</div> <div>Dk.b. or br.f.(1980), Sham—Ivorie II by Sir Ivor</div> <div>Bred in Florida by Waldemar Farms, Inc. & Gerald R Robins</div>	ELWOOD McCANN	15 DON BRUMFIELD
<div>5</div> <div>TOM GENTRY</div> <div>Yellow, Royal Blue Blocks, Royal Blue Bars on Sleeves</div> <div>Yellow Cap</div> <div>ROSY SPECTRE 121</div> <div>Ch.f.(1980), Nijinsky II—Like a Charm by Pied d'or</div> <div>Bred in Kentucky by Tom Gentry</div>	EDUARDO INDA	15 EDDIE DELAHOUSAYE
<div>6</div> <div>W. S. KILROY AND</div> <div>W. S. FARISH</div> <div>Green, Yellow Chevrons, Green Cap</div> <div>Weekend Surprise 121</div> <div>B.f.(1980), Secretariat—Lassie Dear by Buckpasser</div> <div>Bred in Kentucky by W. S. Farish III & W. S. Kilroy</div>	DEL W. CARROLL II	20 CHRIS McCARRON
<div>7</div> <div>RYEHILL FARM</div> <div>(James P. Ryan)</div> <div>Navy, Gold Belt, Gold Blocks on Sleeves, Gold Cap</div> <div>BEMISSED 121</div> <div>Ch.f.(1980), Nijinsky II—Bemis Heights by Herbager</div> <div>Bred in Maryland by Ryehill Farm</div>	WOODFORD C. STEPHENS	20 FRANK LOVATO, JR.
<div>8</div> <div>WANAJA FARM & B. T. ENERGY</div> <div>(Janie Martin and Don Ball)</div> <div>Gold, Purple "V," Purple Sleeves, Purple Cap</div> <div>BRINDY BRINDY 121</div> <div>Ch.f.(1980), Grand Revival—Belle Of Caledon by Bull Vic</div> <div>Bred in Kentucky by John McGarrah</div>	JACK VAN BERG	12 KENNETH JONES

Indicates Foaled In Kentucky

Selections 1—2—3—8



Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Trackman, Graham Ross

CHURCHILL DOWNS

Selections Made for Fast Track

8	PRINCESS ROONEY WEEKEND SURPRISE FIFTH QUESTION	PRINCESS ROONEY SHAMIVOR BRINDY BRINDY	PRINCESS ROONEY ROSY SPECTRE FIFTH QUESTION	PRINCESS ROONEY BRIGHT CROCUS WEEKEND SURPRISE	PRINCESS ROONEY ROSY SPECTRE BRIGHT CROCUS	PRINCESS ROONEY ROSY SPECTRE WEEKEND SURPRISE	35 4 3
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8th Churchill



1 1/8 MILES. (1.4825) 109th Running KENTUCKY OAKS (Grade I). \$150,000 added. Fillies. 3-year-olds. By subscription of \$100 each; \$750 to pass the entry box; \$750 additional to start with \$150,000 added of which \$65% of all monies to the owner of the winner, 40% to second, 10% to third and 5% to fourth. Weight, 121 lbs. Starters to be named through the entry box Wednesday, May 4, by the usual time of closing. If the race is divided entries or couplings will be divided. A silver trophy to the winning owner. Closed with 187 nominations.

Princess Rooney

Own.—Tucker Paula

121

Gr. f. 3, by Verbatim—Parrish Princess, by Drone

Br.—Roach B & T (Ky)

Tr.—Gomez Frank

1983	3	3	0	0	\$110,333
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1982	6	6	0	0	\$223,815
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Lifetime	9	9	0	0	\$334,148
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23Apr83-7Kee	1 $\frac{1}{16}$:46 ³	1:11 ³	1:45 ² sy	*1-5 121	1 ^{hd}	1 ^{hd}	12 $\frac{1}{2}$	19 $\frac{1}{2}$	Vasquez J ⁴ ♂Ashland	79-24	PrincessRooney,Shamivor,Decision	6
13Apr83-7Kee	a7f		1:27 ² ft	*1-3 123	2 ¹	2 ^{hd}	13	11 ⁰	Vasquez J ⁸ ♂Aw28000	86-21	PrincessRooney,FiestyBil,Silvrdsilk	8
5Mar83-7GP	7f	:22 ¹	:45 1:23 ⁴ ft	*1-5 114	3 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Vasquez J ² ♂Aw30000	85-19	PrncssRoony,Mrgnmrgnmrgn,Alchs	8
23Oct82-6Med	1 $\frac{1}{16}$	:47 ¹	1:11 1:43 ft	*1-3 121	1 $\frac{1}{2}$	1 ²	17	11 ¹	Vasquez J ⁶ ♂Gardenia	94-11	PrncssRoony,FrOnc'nMyLf,GldSprc	7
10Oct82-8Bel	1	:46 ¹	1:11 ³ 1:39 ft	*6-5 119	1 ^{hd}	11 $\frac{1}{2}$	16	18	Fell J ² ♂Frizette	70-29	PrncssRny,WnngTck,WkndSprs	13
11Sep82-9Crc	7f	:22 ²	:45 ⁴ 1:23 ⁴ ft	*1-5 116	1 ¹	12 $\frac{1}{2}$	18	11 ²	PnnisFA ⁷ ♂Melaleuca	97-14	PrncssRoony,Hiusonso,Rin'sMissy	8
1Sep82-9Crc	7f	:22 ²	:46 1:25 ¹ ft	*4-5 116	1 $\frac{1}{2}$	11 $\frac{1}{2}$	11 ⁰	11 ⁸	Pennisi FA ¹ ♂Aw10000	90-18	PrncssRoony,CortUnn,FlwlssDmnd	5
7Jun82-7Crc	5f	:22 ³	:46 ³ :59 ³ ft	*6-5 114	1 $\frac{1}{2}$	11 $\frac{1}{2}$	13	14	Pennisi F A ¹ ♂Aw9500	94-15	PrncssRoony,Ishudhdtht,RoyltyMss	6
22May82-3Crc	5f	:22 ⁴	:47 1:00 ² ft	*2 115	3 ^{nk}	1 ^{hd}	12	13	Pennisi F A ⁹ ♂Mdn	90-14	Princess Rooney, Rilia, Marie V.	9
May 2 CD	6f gd	1:16 b										
				Apr 21 Kee	5f ft	1:00 ² b						
									Apr 12 Kee	3f gd	:36 b	
												● Apr 8 Kee
												5f sy 1:02 ³ b (d)

Bright Crocus

Own.—Levan-Waters-Weston

121

B. f. 3, by Clev Er Tell—Bold Saffron, by Bold Hour

Br.—Harkins T I (Ky)

Tr.—Maxwell Adrian J

1983	4	1	1	0	\$87,809
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1982	8	3	1	1	\$48,764
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Lifetime	12	4	2	1	\$136,573
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16Apr83-10Hia	1 $\frac{1}{8}$:47 $\frac{1}{2}$	1:12	1:49 $\frac{1}{2}$ ft	*1	121	52 $\frac{1}{2}$	63 $\frac{1}{2}$	48 $\frac{1}{2}$	51 $\frac{1}{2}$	Hawley S1	⑤Poinsetta	72-23	Thinghatab,Overreaction,BuffloGl	15	
16Apr83—Crowded, st'd															
26Mar83-10FG	1 $\frac{1}{8}$:47 $\frac{1}{2}$	1:12 $\frac{1}{4}$	1:45 $\frac{1}{2}$ gd	6	121	55	53 $\frac{1}{2}$	2 nd	15 $\frac{1}{2}$	Hawley S2	⑤Fg Oaks	83-24	Bright Crocus, MissMolly,Shamivor	6	
28Feb83-9GP	1 $\frac{1}{8}$		1:45 $\frac{1}{2}$ ft	31	114	85 $\frac{3}{4}$	23	25	36 $\frac{1}{4}$	VsqzJ7	⑤Bonnie Miss	68-24	Unccompnd,†MssMolly,BrghtCrcs	12	
28Feb83—Placed second through disqualification															
7Feb83-9GP	7f	:22 $\frac{1}{2}$:45 $\frac{1}{2}$	1:23 $\frac{1}{2}$ gd	14	114	82 $\frac{1}{2}$	63 $\frac{1}{4}$	91 $\frac{0}{10}$	91 $\frac{2}{2}$	McBtD8	⑤ForwardGal	75-21	Unccompnd,Lis'sCpiti,QuxotcLdy	15
23Sep82♦3Ascot(Eng)	1		1:47 $\frac{1}{2}$ gd	*2	128	①	8			PggtTL	⑤HooverFilliesMile(Gr.3)		Acclimatise, DancingMeg,Alligatrix	8	
9Sep82♦6Doncaster(Eng)	1		1:39 $\frac{1}{2}$ gd	6	119	①	15			PiggottL	⑤May Hill Stks		BrghtCrocs,SlkPyjms,GoodbyShlly	8	
7Aug82♦4Newmarket(Eng)	7f		1:29 $\frac{3}{4}$ gd	3 $\frac{1}{2}$	128		42			PggtTL	⑤Sweet Solera Stks		Flamenco, Acclimatise, Montervie	8	
24Jly82♦2Ascot(Eng)	6f		1:15 $\frac{1}{2}$ gd	3 $\frac{1}{2}$	127	①	32 $\frac{1}{2}$			PggtTL	⑤PrincessMargaretStk		RoylHroin,HnrysScrt,BrightCrocus	6	
6Jly82♦4Newmarket(Eng)	6f		1:12 $\frac{1}{2}$ gd	2	125	①	43 $\frac{1}{4}$			PttL	⑤CherryHintonStks(Gr.3)		CrimeofPassion,Crolside,SilkPyjms	8	
26Jun82♦1Newmarket(Eng)	6f		1:15 $\frac{1}{2}$ gd	*1-2	125	①	11			PggtTL	⑤Dance In Time Stk		BrghtCrocs,KyTThMnstri,HntrsGrv	5	
May 4 CD 4f m	:50 b														
				May 1 CD 5f sy	1:01 $\frac{1}{4}$ h										
										Apr 13 Hia 4f ft	:50 $\frac{1}{2}$ b				
												Apr 8 Hia 4f ft	:50 b		

Fifth Question

Own.—Lowrance E

121

Gr. f. 3, by Fifth Marine—Little Divy, by Royal Cap

Br.—Lowrance Everett (Okla)

Tr.—Eckrosh James

1983	6	2	1	2	\$101,635
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1982	2	2	0	0	\$21,003
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Lifetime	8	4	1	2	\$122,638
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23Apr83-7Kee	1 $\frac{1}{16}$:46 ³ 1:11 ³ 1:45 ² sy	4 $\frac{1}{4}$ 116	48 $\frac{1}{2}$ 61 ³ 51 ² 53 ²	Day P ⁵	ⒺAshland	47-24 PrincessRooney,Shamivor,Decision 6	
9Apr83-90P	1 $\frac{1}{16}$:47 ³ 1:12 ³ 1:44 ³ ft	3 $\frac{1}{4}$ 115	75 $\frac{1}{2}$ 64 23 $\frac{1}{2}$ 2 $\frac{1}{2}$	Day P ⁹	ⒺFantasy	84-21 BrndyBrndy,FfthQston,ChsAPtrnr 11	
9Apr83-Bothered							
30Mar83-90P	17 ⁰ :46 ² 1:12 ² 1:43 ft	3 118	68 $\frac{1}{2}$ 47 $\frac{1}{2}$ 21 16	Day P ¹	ⒺAw30000	81-23 FfthQstn,BrndyBrndy,FrOnc'nMyLf 7	
18Mar83-90P	6f :22 ⁴ :46 ² 1:13 ft	4 $\frac{1}{4}$ 118	121 ¹¹ 106 $\frac{3}{4}$ 75 $\frac{1}{2}$ 3 $\frac{1}{2}$	Day P ¹¹	ⒺMagnolia	79-22 Lt.Prl,ForOnc'nMyLf,FifthQstn 12	
21Feb83-90P	6f :22 ¹ :46 ³ 1:13 ¹ sy	*1 118	64 $\frac{1}{2}$ 55 $\frac{1}{2}$ 46 $\frac{1}{2}$ 35 $\frac{1}{2}$	Day P ³	ⒺM Wash	73-27 Lt.Perle,ElgntExprinc,FifthQstn 7	
11Feb83-70P	5 $\frac{1}{2}$ f :22 ⁴ :48 1:08 ² gd	8 $\frac{1}{2}$ 116	89 $\frac{1}{2}$ 68 55 $\frac{3}{4}$ 1 $\frac{1}{2}$	HghtwrTW ³	ⒺAw25000	76-28 FifthQuestion,Lt.Perl,BrndyBrndy 9	
26Dec82-8Haw	1 $\frac{1}{16}$:48 1:12 ² 1:45 ² ft	3 114	2 ^{hd} 11 $\frac{1}{2}$ 11 $\frac{1}{2}$ 12	HghtwrTW ³	ⒺDurazna	71-23 Fifth Question, O Yoko,SheWillTell 5	
8Dec82-2Haw	6 $\frac{1}{2}$ f :22 ² :45 ⁴ 1:19 ft	16 119	111 ⁵ 81 ² 31 1 ^{hd}	HightowerTW ⁷	ⒺMdn	78-22 FifthQuestion,SuprDot,SrtogRvlyr 11	
May 3 CD	5f sy 1:05 ² b	Apr 21 Kee	4f ft :52 b	Apr 7 OP	5f ft 1:05 ³ b	Mar 28 OP	4f sl :54 b

Shamivor

Own.—White Fox Farm

121

Dk. b. or br. f. 3, by Sham—Ivoire II, by Sir Ivor

Br.—Waldomar Fms Inc&RobinsG (Fla)

Tr.—McCann Elwood Sr

1983 6 2 3 1 \$60,410
1982 4 2 0 0 \$10,300

Lifetime 10 4 3 1 \$70,710

23Apr83-7Kee	1 $\frac{1}{8}$:46 $\frac{3}{4}$ 1:11 $\frac{3}{4}$ 1:45 $\frac{2}{5}$ sy	12 114	2hd 2hd 22 $\frac{1}{2}$ 29 $\frac{1}{2}$	BrumfldD ³ ⓈAshland	69-24 PrincessRooney,Shamivor,Decision 6
26Mar83-10FG	1 $\frac{1}{8}$:47 $\frac{1}{2}$ 1:12 $\frac{1}{4}$ 1:45 $\frac{4}{5}$ gd	3 $\frac{1}{2}$ 115	13 12 1hd 37 $\frac{1}{2}$	RomeroRP ³ ⓈFg Oaks	75-24 Bright Crocus, MissMolly,Shamivor 6
5Mar83-9FG	140:49 $\frac{1}{2}$ 1:14 $\frac{3}{4}$ 1:43 ft	3-2 117	12 11 $\frac{1}{2}$ 11 $\frac{1}{2}$ 2hd	Ardoir R ¹ ⓈDava Dale	78-21 Duped, Shamivor, Juliet's Pet 5
20Feb83-9FG	140:46 $\frac{1}{4}$ 1:12 $\frac{1}{4}$ 1:42 $\frac{3}{4}$ ft	*4-5 120	1hd 13 12 $\frac{1}{2}$ 14 $\frac{1}{2}$	EspinozaJC ⁷ ⓈAw11000	80-25 Shamivor,MadamNorm,YellowBow 8
13Feb83-9FG	6f :22 :46 1:12 $\frac{1}{4}$ ft	4 $\frac{1}{2}$ 117	32 31 $\frac{1}{2}$ 41 23	EspinozaJC ⁷ ⓈThelma	81-20 Duped, Shamivor, Sally Stride 8
14Jan83-7FG	140:47 1:13 $\frac{3}{4}$ 1:43 $\frac{1}{2}$ ft	*8-5 119	11 $\frac{1}{2}$ 16 15 14 $\frac{1}{2}$	EspinozaJC ² ⓈAw10000	76-19 Shamivor,Tani'sNuPearl,Kristy'sFir 9
23Dec82-8FG	6f :22 $\frac{1}{2}$:46 $\frac{3}{4}$ 1:13 ft	3 119	117 $\frac{1}{2}$ 62 $\frac{3}{4}$ 31 11	McKnight J ⁷ ⓈAw9000	80-21 Shmivor,WinterWitch,CityPrincss 11
16Dec82-6FG	6f :22 $\frac{3}{4}$:47 1:13 $\frac{3}{4}$ ft	*9-5 119	12 13 13 17	McKnight J ¹⁰ ⓈMdn	77-22 Shmivor,RobbngAround,LdyBrtrm 11
27Nov82-9FG	6f :22 $\frac{1}{2}$:47 $\frac{1}{2}$ 1:13 $\frac{3}{4}$ m	65 112	3nk 2hd 66 816	McKhtJ ¹⁰ ⓈPontalba	61-25 Duped, How Clever, Distant Mom 11
17Nov82-2CD	6f :22 $\frac{1}{2}$:46 $\frac{1}{2}$ 1:11 $\frac{1}{4}$ ft	27 120	42 21 $\frac{1}{2}$ 42 47 $\frac{1}{2}$	Maple S ¹⁰ ⓈMdn	79-23 Shea Lee,I'mDriven,JamacianSpell 12

Apr 22 Kee 3f ft :35 b

Apr 18 Kee 5f ft 1:00 h

Apr 12 Kee 6f ft 1:12 $\frac{1}{2}$ h

Mar 25 FG 4f ft :52 b

Rosy Spectre

Own.—Gentry T E

121

Ch. f. 3, by Nijinsky II—Like A Charm, by Pied d'Or

Br.—Gentry T E (Ky)

Tr.—Inda Eduardo

1983 4 2 2 0 \$22,920
1982 1 M 1 0 \$2,400

Lifetime 5 2 3 0 \$25,320

27Apr83-5Kee	1 $\frac{1}{8}$:49 1:13 $\frac{3}{4}$ 1:47 $\frac{2}{5}$ ft	*6-5 115	83 $\frac{1}{2}$ 63 $\frac{1}{2}$ 31 $\frac{1}{2}$ 1 $\frac{1}{2}$	Day P ⁹ ⓈAw15700	69-18 RosySpectre,BroadwayDolcie,Exult 9
19Apr83-2Kee	a7f 1:29 $\frac{2}{5}$ ft	*2-3 118	41 53 3nk 2no	Day P ⁸ ⓈAw14600	76-18 Plchee,RosySpectre,BrodwyDolcie 11
8Apr83-4Kee	a7f 1:28 $\frac{3}{5}$ sy	*4-5 118	45 $\frac{1}{2}$ 32 13 15	Romero R P ⁶ ⓈMdn	80-14 RosySpectr,Mrdith'sMomnt,CivrRn 8
26Mar83-5Hia	7f :22 $\frac{1}{4}$:46 1:26 ft	*3-2 119	64 $\frac{1}{2}$ 44 $\frac{1}{2}$ 22 $\frac{1}{2}$ 22 $\frac{1}{2}$	Vasquez J ¹⁰ ⓈMdn	70-17 YoWon'tBSorry,RsySpctr,PcktlLnr 12
15Aug82-4Dmr	6f :22 :45 1:10 $\frac{3}{4}$ ft	17 117	89 71 $\frac{3}{4}$ 59 23 $\frac{1}{2}$	McHargue DG ⁹ ⓈMdn	81-12 BrillintMove,RosySpctr,AdriticGirl 10

May 4 CD 4f m :49 $\frac{3}{4}$ b

Apr 25 Kee 4f gd :51 b

Apr 16 Kee 4f gd :50 b

Apr 3 Kee 5f ft 1:00 $\frac{1}{4}$ b

Weekend Surprise

Own.—Kilroy & Farish III

121

B. f. 3, by Secretariat—Lassie Dear, by Buckpasser

Br.—Farish III & Kilroy (Ky)

Tr.—Carroll Del W II

1983 2 0 0 1 \$3,730
1982 9 5 1 2 \$190,588

Lifetime 11 5 1 3 \$194,318

2May83-8CD	7f :23 $\frac{3}{4}$:47 1:25 $\frac{2}{5}$ sy	*9-5 121	87 75 $\frac{3}{4}$ 65 31 $\frac{1}{2}$	Day P ⁸ ⓈLa Troien	79-18 HowClever,SuperBell,WkndSurpris 8
13Apr83-7Kee	a7f 1:27 $\frac{2}{5}$ ft	5 123	64 $\frac{1}{2}$ 65 $\frac{1}{2}$ 79 716	BrumfldD ³ ⓈAw28000	70-21 PrincessRooney,FiestyBII,SilvrdSilk 8
25Nov82-8CD	1 $\frac{1}{8}$:49 $\frac{1}{2}$ 1:14 $\frac{1}{4}$ 1:47 gd	*2-5e 119	31 42 31 1 $\frac{1}{2}$	Day P ¹ ⓈGold Rod	73-23 WekndSurpris,NtionlBnnr,QurrlOvr 6
11Nov82-8CD	1 :47 $\frac{1}{2}$ 1:12 1:37 $\frac{1}{4}$ ft	*1 122	41 $\frac{1}{2}$ 41 1 $\frac{1}{2}$ 13 $\frac{1}{2}$	BrumfldD ⁶ ⓈPcahonts	80-20 WeekendSurprise,Dcision,QurrlOvr 9
11Nov82—Run in two divisions, 6th and 8th races					
4Nov82-7CD	7f :23 $\frac{3}{4}$:46 $\frac{3}{4}$ 1:25 ft	*1-2 121	57 54 $\frac{1}{2}$ 1hd 11 $\frac{1}{2}$	Day P ¹ ⓈAw13700	82-24 WkndSrprs,PrttyPrfct,YKy'sLdyKt 6
10Oct82-8Bel	1 :46 $\frac{1}{2}$ 1:11 $\frac{3}{4}$ 1:39 ft	9 $\frac{1}{2}$ 119	76 $\frac{1}{2}$ 69 49 31 $\frac{1}{2}$	VelasquezJ ⁴ ⓈFrizette	58-29 PrncssRny,WnnngTck,WkndSrprs 13
18Sep82-7Bel	7f :23 :46 $\frac{1}{2}$ 1:24 ft	5 $\frac{1}{2}$ 119	51 $\frac{3}{4}$ 51 $\frac{1}{2}$ 48 $\frac{1}{2}$ 34 $\frac{1}{2}$	Velasquez J ² Matron	77-17 WngsofJov,ShrThFntsy,WkndSrprs 5
29Aug82-8Sar	6f :22 $\frac{1}{4}$:45 $\frac{3}{4}$ 1:09 $\frac{4}{5}$ ft	2 $\frac{1}{2}$ 119	59 $\frac{1}{2}$ 54 $\frac{3}{4}$ 33 $\frac{1}{2}$ 56 $\frac{1}{2}$	VelsqzJ ¹ ⓈSpinaway	85-15 ShrThFntsy,SngngSsn,MdnghRptr 6
4Aug82-8Sar	6f :22 $\frac{1}{4}$:45 $\frac{1}{2}$ 1:11 ft	3-2e 114	710 611 45 $\frac{1}{2}$ 11	VlsqzJ ⁷ ⓈSchuylerville	85-13 WkndSurpris,ShrThFntsy,FlyingLss 7
2Jun82-8Bel	5 $\frac{1}{2}$ f :22 $\frac{3}{4}$:45 $\frac{1}{4}$ 1:04 $\frac{1}{4}$ ft	2 $\frac{1}{2}$ 116	65 53 $\frac{1}{2}$ 54 $\frac{1}{2}$ 22	VelsquezJ ⁷ ⓈRosedale	92-11 GJubil,WkndSurpris,SubvrsivChick 7

May 1 CD 3f sy :38 $\frac{1}{4}$ b

Apr 25 Kee 5f gd 1:01 $\frac{1}{2}$ b

Apr 19 Kee 4f ft :50 $\frac{3}{4}$ b

Apr 12 Kee 3f gd :36 $\frac{1}{2}$ b

Bemissed

Own.—Ryehill Farm

121

Ch. f. 3, by Nijinsky II—Bemis Heights, by Herbager

Br.—Ryehill Farm (Md)

Tr.—Stephens Woodford C

1983 4 0 0 1 \$27,423
1982 9 4 1 2 \$254,432

Lifetime 13 4 1 3 \$281,855

23Apr83-8Pim	1 $\frac{1}{8}$ Ⓢ:50 1:16 $\frac{1}{4}$ 1:50 yl	3 $\frac{1}{2}$ 110	55 43 32 $\frac{1}{2}$ 31	LtFJr ⁵ ⓈGallorette H	60-39 WeddingPrty,SunnySprkler,Bmissd 8
9Apr83-9OP	1 $\frac{1}{8}$:47 $\frac{3}{4}$ 1:12 $\frac{3}{4}$ 1:44 $\frac{3}{4}$ ft	17 121	54 $\frac{1}{2}$ 31 $\frac{1}{2}$ 44 45	Lovato FJr ⁴ ⓈFantasy	80-21 BrndyBrndy,FfthQstn,ChsAPtrnr 11
30Mar83-9OP	170:46 $\frac{1}{2}$ 1:12 $\frac{1}{4}$ 1:43 ft	*1 115	711 612 512 417	Maple E ⁷ ⓈAw30000	64-23 FfthQstn,BrndyBrndy,FrOnc'nMyLf 7
14Feb83-9GP	7f :23 $\frac{1}{4}$:46 $\frac{1}{2}$ 1:23 $\frac{1}{4}$ ft	8 117	43 52 $\frac{1}{2}$ 67 $\frac{1}{2}$ 611	MapleE ⁷ Golden Grass	74-21 Cast Party, Smart Style, Reap 9
14Feb83—Run in two divisions 7th & 9th races					
14Nov82-8Aqu	1 $\frac{1}{8}$:49 $\frac{1}{2}$ 1:14 1:52 ft	*1-2e 121	24 42 45 46	LovtFJr ³ ⓈDemoiselle	69-23 OnlyQueens,GoldSpruce,NtionlBnnr 7
30Oct82-8Lrl	1 $\frac{1}{8}$:47 $\frac{1}{2}$ 1:12 $\frac{1}{4}$ 1:44 ft	2e 122	33 $\frac{1}{2}$ 2hd 12 $\frac{1}{2}$ 13 $\frac{1}{2}$	Lovato F Jr ⁷ ⓈSelima	88-15 Bemissed, Icy Time, No BodyElse's 9
21Oct82-8Aqu	1 $\frac{1}{8}$ Ⓢ:48 $\frac{2}{5}$ 1:13 1:51 $\frac{1}{4}$ fm	2e 121	36 $\frac{1}{2}$ 32 $\frac{1}{2}$ 1hd 1no	LovtFJr ⁵ ⓈMiss Grillo	85-15 Bemissed, Cryptic, Magnifique 8
16Oct82-8Bow	7f :22 $\frac{1}{4}$:44 $\frac{3}{4}$ 1:24 $\frac{3}{4}$ ft	6 $\frac{1}{2}$ 119	55 $\frac{1}{2}$ 46 $\frac{1}{2}$ 43 42 $\frac{1}{2}$	LtFJr ³ ⓈSKindergrtn	79-25 SngngSsn,NorthrnStng,NoBdyEls's 8
19Sep82-9WO	1 Ⓢ:48 $\frac{1}{4}$ 1:14 1:40 $\frac{3}{4}$ yl	*1 112	65 $\frac{1}{2}$ 3nk 1hd 11 $\frac{1}{2}$	LovatoFJr ⁶ ⓈNatalma	75-25 Bemissed,HoldMClosr,DonnsFncy 13
3Sep82-8Bel	1 Ⓢ:47 $\frac{1}{4}$ 1:12 $\frac{1}{4}$ 1:38 $\frac{1}{4}$ yl	*4-5e 112	32 $\frac{1}{2}$ 2 $\frac{1}{2}$ 22 33 $\frac{1}{2}$	MpleE ⁹ ⓈEvening Out	70-26 Cryptic, NationalBanner,Bemissed 11

May 2 CD 5f gd 1:04 b

Apr 7 OP 4f ft :49 b

Mar 27 OP 5f ft 1:02 $\frac{1}{4}$ b

Mar 20 Hia 3f ft :35 h

Brindy Brindy

Own.—Wanaja Fm & Energy B T

121

Ch. f. 3, by Grand Revival—Belle of Caledon, by Bull Vic

Br.—McGarrah John (Ky)

Tr.—Van Berg Jack C

1983 5 1 1 1 \$179,880
1982 6 4 0 1 \$40,998

Lifetime 11 5 1 2 \$220,878

9Apr83-9OP	1 $\frac{1}{8}$:47 $\frac{3}{4}$ 1:12 $\frac{3}{4}$ 1:44 $\frac{3}{4}$ ft	59 115	11 11 $\frac{1}{2}$ 13 $\frac{1}{2}$ 1 $\frac{1}{2}$	Jones K ³ ⓈFantasy	85-21 BrndyBrndy,FfthQstn,ChsAPtrnr 11
30Mar83-9OP	170:46 $\frac{1}{2}$ 1:12 $\frac{1}{4}$ 1:43 ft	30 112	12 15 11 26	Jones K ² ⓈAw30000	75-23 FfthQstn,BrndyBrndy,FrOnc'nMyLf 7
18Mar83-9OP	6f :22 $\frac{1}{4}$:46 $\frac{1}{2}$ 1:13 ft	14e 118	3nk 3 $\frac{1}{2}$ 64 88	Jones K ¹ ⓈMagnolia	72-22 Lt.Prl,ForOnc'nMyLif,FifthQuston 12
21Feb83-9OP	6f :22 $\frac{1}{4}$:46 $\frac{3}{4}$ 1:13 $\frac{1}{4}$ sy	5 $\frac{1}{2}$ 115	21 44 512 515	EspinozaJC ⁵ ⓈM Wash	64-27 Lt.Perle,ElgntExprinc,FifthQuston 7
11Feb83-7OP	5 $\frac{1}{2}$ f :22 $\frac{1}{4}$:48 1:08 $\frac{2}{5}$ gd	*2 116	31 $\frac{1}{2}$ 22 23 31 $\frac{1}{2}$	Day P ⁹ ⓈAw25000	74-28 FifthQuestion,Lt.Perl,BrindyBrndy 9
11Nov82-6CD	1 :46 1:10 $\frac{1}{4}$ 1:38 $\frac{1}{4}$ ft	6 117	1hd 1 $\frac{1}{2}$ 11 $\frac{1}{2}$ 12 $\frac{1}{2}$	EspnzJC ³ ⓈPcahonts	78-20 BrndyBrndy,Rbrt'sDII,IsssN'Answns 7
11Nov82—Run in two divisions, 6th and 8th races					
27Oct82-5Kee	6 $\frac{1}{2}$ f :23 $\frac{1}{4}$:46 $\frac{1}{2}$ 1:17 $\frac{2}{5}$ ft	8 $\frac{1}{2}$ 115	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 15 15	EspinozaJC ⁴ ⓈAw14600	90-18 BrindyBrndy,SwziGirl,Don'tTelldd 6
19Oct82-4Kee	6f :22 $\frac{1}{4}$:45 $\frac{1}{4}$ 1:10 $\frac{1}{4}$ ft	8 112	11 $\frac{1}{2}$ 2 $\frac{1}{2}$ 31 $\frac{1}{2}$ 32 $\frac{1}{2}$	EspinozaJC ⁷ ⓈAw14600	86-18 DoblThCont,PrttyPrfct,BrndyBrndy 7
22Aug82-6EIP	5 $\frac{1}{2}$ f :22 $\frac{1}{4}$:45 $\frac{1}{4}$ 1:05 $\frac{1}{4}$ ft	7 $\frac{1}{2}$ 119	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1hd	EspinozaJC ⁸ ⓈAw8400	94-11 BrindyBrndy,CongniJni,HilltopSis 8
14Aug82-6FP	5 $\frac{1}{2}$ f :22 $\frac{1}{4}$:47 $\frac{1}{2}$ 1:06 $\frac{1}{4}$ ft	6 116	2 $\frac{1}{2}$ 21 $\frac{1}{2}$ 2hd 46	Evans RD ¹⁰ ⓈJuvenile	77-26 SilveredSilk,SusieCircle,Arlcchin 10

14Aug82—Run in two divisions, 6th and 8th races

Apr 26 Kee 5f ft 1:01 $\frac{1}{2}$ b

Apr 6 OP 5f sl 1:06 b

Mar 26 OP 5f ft 1:04 $\frac{3}{4}$ b

Mar 14 OP 4f ft :49 $\frac{1}{4}$ b

I expected that Princess Rooney would be heavily bet to win and that there likely would be a Dr. Z bet to place or to show or both. To my amazement, the first reading of the tote board with about twenty-three minutes to post time was as follows:

	Totals	#1 Princess Rooney
Odds		1—9
Win	61,214	44,920
Place	27,930	14,808
Show	268,441	257,150

The 1—9 win odds did not surprise me. I figured the win odds would rise to about 1—5 at post time. When I looked at the show pools it was clear to me that someone or some group of individuals had bet about \$250,000 to show on Princess Rooney. Out of the show pool of \$268,441, the bet on Princess Rooney was \$257,150. Since the show bet is usually less than the place bet, \$18,441 seemed like the bet of the early bettors. The quarter-million-dollar bet dominated the show pool and made it six times as large as the win pool—quite a reversal from the usual situation where the show pool is a half or a third or even less of the win pool.

Why would someone make such a large bet? Presumably they figured that Princess Rooney was virtually unbeatable and it was extremely unlikely that she would not be in the money and finish at least third. Such huge bets on one or more horses cause what is known as a *minus pool*. The minus means that if the horse or horses come in, then the track actually loses money.

Let us see how it would work in this case. With a 15% track take for expenses, taxes, and the like, there would be only

$$(0.85)(\$268,441) = \$228,175$$

to pay back to bettors who have wagered \$257,150 to show on Princess Rooney. So even if nothing was bet on the other two horses finishing in the money with Princess Rooney, the payoff per \$2 bet would be

$$\$2 \left(\frac{\$228,175}{\$257,150} \right) = \$1.77.$$

Now you cannot pay someone \$1.77 when they bet \$2 and the horse wins. So instead, a minimum payment is made, which is usually \$2.10. In Chapter Fifteen, where minus pools are discussed, we argue that when this is the

case you should generally not bet on any horses. There are possible exceptions but they are rare. However, according to Kentucky State law the minimum payoff is \$2.20, not \$2.10. This changed the situation considerably, since the possible payoff was doubled from a 5% profit to one of 10%. In fact, as we show later, this was a good bet.

Let us now look at the evolution of the betting pools and the odds and observe what happened here so that we can determine whether or not there was a Dr. Z system bet to place or show on Princess Rooney or on some other horse.

With nineteen minutes to post time the show pool was as follows:

	Totals	#1	#2	#3	#4	#5	#6	#7	#8
Show	349,530	328,730	2,778	4,725	1,557	2,820	—	1,893	7,027

The minus pool on Princess Rooney was still very strong. The show betting on all the other horses was 2% or less of that bet on the favorite.

The tote board was as follows:

	Totals	#1 Princess Rooney
With eleven minutes to post time		
Odds		1—5
Win	145,041	99,919
Place	85,618	40,263
Show	450,401	408,145
With seven minutes to post time		
Odds		3—10
Win	212,365	138,700
Place	136,645	59,579
Show	574,561	501,401
With three minutes to post time		
Odds		3—10
Win	286,185	184,515
Place	211,798	104,052
Show	661,941	561,447
With one minute to post time		
Odds		3—10
Win	316,312	205,230
Place	233,221	112,657
Show	687,849	580,667

I hope by now that you have noticed that the best bet on Princess Rooney was to place, not show, and that it was good enough to qualify as a Dr. Z system bet. Only about half the place pool was bet on Princess Rooney, while about two-thirds was bet on Princess Rooney to win. At one minute to post time, the expected value of a place bet on Princess Rooney dipped to 1.10, which made it a Dr. Z system bet, although just barely.* Since our betting wealth was \$1,500, the optimal bet to place was \$665.

What about betting on Princess Rooney to show as well? The payoff would be \$2.20 if she finished in the money, so in order to analyze the situation we needed the probability of her finishing in the money. The probability that Princess Rooney would win the race was about 0.692 and 0.224 that she would finish second.† Hence she would place in the race with a probability of 0.916. The probability that Princess Rooney would be third was 0.061. Thus the chance that she would show was 0.977. Hence the expected value per dollar bet to show on Princess Rooney was

$$\text{EX Show} = \underbrace{0.977(\$1.10)}_{\text{Win}} + \underbrace{0.023(0)}_{\text{Loss}} = \$1.075.$$

*An expected value of 1.10 is justified here because of the very high quality of horses, the size of the mutuel pool, and the strong favorite bias discussed in Chapter Four.

†With one minute to post time, Princess Rooney was a 3—10 shot. According to the discussion concerning the underbetting of extreme favorites in Chapter Three (see in particular Table 3.7), the expected value of a win bet on Princess Rooney would be at least 0.9. Thus her chance of winning was about $p = 0.692$, since $p(\$2.60) = 0.9(\$2)$. There were six other horses in the race, each with a chance of winning of about 0.051. From the Harville formulas, equations (5.2) and (5.3), the probability that Princess Rooney would come in second was about

$$\frac{nq_jq_1}{1 - q_j} = \frac{6(0.051)(0.692)}{1 - 0.051} = 0.224,$$

and third, about

$$\frac{n(n-1)q_jq_kq_1}{1 - q_j - q_k} = \frac{6(5)(0.051)^2(0.692)}{1 - 2(0.051)} = 0.061.$$

Thus the probability of placing was $0.692 + 0.224 = 0.916$, and the probability of showing was $0.916 + 0.061 = 0.977$.

At post time the tote board was as follows:

		#1	#2	#7
	Totals	Princess Rooney	Bright Crocus	Bemissed
Odds		1—5	13—1	24—1
Win	361,955	238,957	20,401	11,842
Place	258,807	130,649	17,640	10,780
Show	718,936	601,892	11,682	10,320

The chart of the race was as follows:

MAY 6, 1983

Value of race \$179,950, value to winner \$116,968, second \$35,990, third \$17,995, fourth \$8,997. Mutuel pool \$1,339,698, Minus show pool \$82,377.16.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1.
23Apr83 7Kee ¹	Princess Rooney	3	121	1	2	1 ^{hd}	11	11	11 ^{1/2}	11 ^{1/2}		Vasquez J	.20
16Apr83 10Hia ⁵	Bright Crocus	3	121	2	5	7	7	6 ^{1/2}	45	22		Hawley S	13.90
23Apr83 8Pim ³	Bemissed	3	121	6	7	41	41	3 ^{hd}	2 ^{1/2}	3 ^{1/2}		Lovato F Jr	24.60
27Apr83 5Kee	Rosy Spectre	3	121	5	4	52	62	51	3 ^{hd}	46 ^{1/2}		Delahoussaye E	16.50
23Apr83 7Kee ⁵	Fifth Question	3	121	3	6	6 ^{hd}	5 ^{hd}	7	53	55 ^{3/4}		Day P	8.50
9Apr83 90P ¹	Brindy Brindy	3	121	7	1	21	33 ^{1/2}	41 ^{1/2}	6 ^{hd}	6 ^{nk}		Jones K	8.10
23Apr83 7Kee ²	Shamivor	3	121	4	3	34	2 ^{1/2}	23	7	7		Brumfield D	34.50

OFF AT 5:37. Start good. Won driving. Time, :23 $\frac{3}{4}$, :47, 1:12, 1:37 $\frac{3}{4}$, 1:50 $\frac{1}{2}$. Track fast.

\$2 Mutuel Prices:

1-PRINCESS ROONEY	2.40	2.40	2.20
2-BRIGHT CROCUS		5.80	2.20
7-BEMISSED			2.20

Gr. f. by Verbatim—Parrish Princess, by Drone. Trainer Gomez Frank. Bred by Roach B & T (Ky).

PRINCESS ROONEY, racing in uncharacteristic uneven fashion, broke alertly and smoothly came around BRINDY BRINDY to secure the lead completing the opening quarter-mile, but raced with head turned toward the inside while apparently trying to bear out after settling into the backstretch, and bobbled at the three-eighths pole and again approaching the quarter-pole. The drive slightly into the stretch, responded to intermittent right hand urging, and held BRIGHT CROCUS clear while swerving slightly near the wire. BRIGHT CROCUS brushed several times with FIFTH QUESTION while being taken under restraint in the run to the clubhouse turn, was eased to the outside completing six furlongs, willingly raced to the leaders and appeared briefly threatening inside the last sixteenth, but was not gaining at the end. BEMISSED, rated forwardly, moved outside PRINCESS ROONEY for the stretch drive and responded gamely, although no match for the top two. ROSY SPECTRE had room along the rail to loom a threat in the drive and then hung. FIFTH QUESTION brushed with BRIGHT CROCUS early and was outrun. BRINDY BRINDY was lightly raced after she was displaced by PRINCESS ROONEY and tired after six furlongs. SHAMIVOR was used up racing outside the first flight. Equipment: No blinkers.

Owners— 1, Tucker Paula; 2, Levan-Waters-Weston; 3, Ryehill Farm; 4, Gentry T E; 5, Lowrance E; 6, Wanaja Fm & Energy B T; 7, White Fox Farm.

Scratched—Weekend Surprise (2 May 83 8CD3).

As a check on our regression estimate of the expected value to place on Princess Rooney, we found that if Princess Rooney were to pay exactly \$2.40 then

$$\text{EX Place} = \$2.40(0.916)/\$2 = 1.10,$$

which agreed with our 1.10 estimate from equation (4.6) and our calculator. It was likely that Princess Rooney would pay \$2.40 to place if she finished first or second, although it was possible, depending on the pools, for the payoff to be \$2.20 or \$2.60. The estimates here are a little on the conservative side, since the expected value of a win bet might exceed 0.90. With a higher win probability, the placing and showing probabilities, and expected values, would be slightly higher. The analysis and conclusion remain the same.

*The Matinee Handicap, Hollywood Park,
Inglewood, California, April 24, 1982*

The late races of each day's card often contain Dr. Z system bets. They generally feature better, more consistent horses running for larger purses. Even more importantly, by then most of the crowd have lost a lot of money and want to find some bets that will allow them to recoup their loses. Betting to place or show, especially on low-priced horses, does not interest them much. Indeed, they are more interested in wagering on longer-priced win bets and in the exotic pools. Thus from the seventh race on, there is a good chance of locating one or more outstanding Dr. Z system bets.

The ninth, and final, race at Hollywood Park on April 24, 1982, provided an outstanding Dr. Z system bet. The 1¹/₁₆-mile race on the turf was the \$40,000 added second division of the Matinee Handicap. Whenever the number of entries exceeds about twelve, many handicaps are run in two divisions. The two divisions can be thought of simply as different races. They are usually run on different days.

The favorite in the race was Tacora, a Chilean horse, who was to be ridden by the great jockey Chris McCarron. Tacora had a strong and consistent record and deserved his favorite position. Other strong horses in the race were Sweet Maid, Granja Deseo, and Viendra.

Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Racing

Daily

Form

Trackman, Warren Williams

HOLLYWOOD PARK

Selections Made for Fast Track

TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
9	TACORA SWIFT BIRD GRANJA DESEO	COAX ME HOME TACORA CHATEAU DANCER	VIENDRA CHATEAU DANCER TACORA	TACORA CHATEAU DANCER VIENDRA	GRANJA DESEO SWEET MAID TACORA	TACORA GRANJA DESEO VIENDRA
						14 6 6

ANALYST'S

Hollywood Comment

NINTH RACE

- 1—Viendra
- 2—Chateau Dancer
- 3—Tacora

VIENDRA was fourth to Star Pastures in a Group III event in England and was a forward contender in other highly regarded events in Britain. She connected in her third start in the U.S. over a fine field. Lipham handles her nicely and looks well placed to continue her winning ways. CHATEAU DANCER seems to be improving with each race and Russell appears to have her razor sharp right now. Guerra takes over the controls. TACORA has won three of seven turf starts and was second to Manzanera Feb. 26. McCarron got acquainted with her last start. COAX ME HOME seems to enjoy the turf and usually gives a good account of herself. With Pat V. aboard she may be sent to the lead along with I FELL IN LOVE.

9th Hollywood



1 1/16 MILES. (TURF). (1.39%) 4th Running of THE MATINEE HANDICAP (2nd Division). \$40,000 added. Fillies and mares. 3-year-olds and upward, which have not won \$24,000* other than claiming or starter since December 25, 1981. By subscription of \$50 each, which shall accompany the nomination, \$500 additional to start, with \$40,000 added, of which \$8,000 to second, \$6,000 to third, \$3,000 to fourth and \$1,000 to fifth. Weights, Monday, April 19. Starters to be named through the entry box by closing time of entries. A trophy will be presented to the owner of the winner. *A race worth \$24,000 to the winner. Closed Wednesday, April 14, 1982 with 36 nominations.

Swift Bird

Own.—Nakamura K

B. m. 5, by Northern Dancer—Flood Light, by Bold Lad		1982 6 0 0 2		\$15,250
Br.—Belair Farm Ltd (Ky)		1981 16 3 2 3		\$110,500
Tr.—Doyle A T		Turf 10 2 0 3		\$46,825
114	Lifetime 39 6 4 10	\$191,450		
17Apr82-7SA	1 :45 1:09 1:35 ft	3 1/2 115	2 1/2 31 45 1/2 67	DlhossyE7 @B Thghtfl 87 Contrefaire, Aduana, Track Jester 11
10Apr82-8SA	1 1/16 :45 1:09 1:42 ft	18 115	54 1/2 54 1/2 52 5 1/2	CastnedM1 @St Lca H 90 Si, Coax Me Home, Sweet Maid 8
17Mar82-9SA	1 1/16 :47 1:12 1:47 sy	5 114	43 31 1/2 3 1/2 33 1/2	ShmrW2 @La Merced 62 Miss Huntington, Si, Swift Bird 7
19Feb82-8SA	a6 1/2 f @:212 :43 1:14 2fm	9 114	62 1/2 54 1/2 63 1/2 53 1/2	VlenzulPA2 @Aw35000 84 ExcitableLady, Plenty O'Toole, Sison 6
24Jan82-9SA	1 1/16 :47 1:11 1:42 2ft	17 114	2 1/2 2hd 11 31	GuerraWA3 @Aw40000 88 Balletomane, Tangaroa, Swift Bird 7
14Jan82-8SA	6 1/2 f :213 :44 1:15 2ft	28 116	65 1/2 77 1/2 91 1 87	ShoemkrW9 @Aw40000 86 Mtching, PstForgtting, StopDncing 10
25Nov81-8Hol	1 1/16 :45 1:09 1:41 3ft	6 117	26 44 1/2 69 1/2 61 1	PincylJr3 @Prncsn 76 BScout, ImptintLss, MissHuntington 8
4Nov81-8SA	1 1/16 :45 1:09 1:41 1ft	4 117	32 32 1/2 33 66	PincayLJr1 @Manta H 89 HppyGuess, MissHuntington, BScout 7
30Sep81-8SA	a6 1/2 f @:213 :44 1:13 4fm	13 113	75 1/2 69 71 2 59 1/2	DlhssE6 @Atmn Dys H 81 Kilijro, Ack'sSecret, MissHuntington 9
30Sep81—Run in two divisions, 8th & 9th races.				
8Aug81-8Dmr	1 @:47 2:11 1:35 2fm	13 115	31 31 64 1/2 75 1/2	ShmrW2 @Palomar H 91 Kilijaro, Lisawan, Satin Ribera 9
Apr 4 SA 1 ft 1:41 2 h		Mar 29 SA tr. 1 6f gd 1:16 1 h		Mar 24 SA 6f ft 1:12 2 h
				Mar 13 SA 6f sl 1:16 2 h

Sweet Maid

Own.—Elmendorf

B. m. 5, by Proud Clarion—Honor Maid, by Prince John		1982 1 0 0 1		\$9,750
Br.—Elmendorf Farm (Ky)		1981 11 2 2 1		\$72,026
Tr.—McAnally Ronald		Turf 8 0 1 1		\$10,000
114	Lifetime 31 6 6 3	\$154,191		
10Apr82-8SA	1 1/16 :45 1:09 1:42 ft	34 114	67 1/2 86 1/2 73 3nk	AsssnCB5 @St Lca H 91 Si, Coax Me Home, Sweet Maid 8
10Oct81-6Bel	1 :47 1:10 1:36 ft	27 115	77 1/2 77 1/2 56 58 1/2	SantiagoA2 @Aw35000 80 ExprssivDnc, DmMystrius, TinTnToo 7
20Sep81-1Bel	1 1/16 :48 1:13 1:45 4gd	6 1/2 119	43 1/2 44 39 31 3	Venezia M2 @Hcp0 60 WaywardLass, Nora'sLss, SweetMid 4
16Aug81-8Sar	1 1/8 @:47 1:12 1:50 3yl	51 111	71 6 77 1/2 57 51 3	Venezia M7 @Diana H 61 DeLaRose, RokebyRose, Euphrosyne 8
29Jly81-6Sar	7f :231 :46 1:24 2sy	4 1/2 119	69 1/2 69 36 27 1/2	Venezia M5 @Aw35000 73 Love You Dear, SweetMaid, Avenare 6
3Jly81-7Bel	1 1/16 @:47 2:11 1:43 3yl	8 1/2 117	67 1/2 68 1/2 56 1/2 47 1/2	Venezia M3 @Aw35000 70 StephniLigh, MovItNow, Mrs.Robrts 7
22Jun81-8Bel	1 :46 1:11 1:35 4ft	23 118	69 65 46 56	VnzM6 @Tw'light Tear 83 Jameela, ChainBracelet, IslandChrm 6
22Mar81-7Aqu	1 1/8 :48 1:13 1:53 2ft	2 120	66 1/2 64 1/2 21 1nk	Venezia M3 @Hcp0 68 SweetMaid, Skagerrak, Nalee'sFntsy 6
11Mar81-8Aqu	170 @:49 1:14 1:46 1sy	*6-5 122	54 1/2 52 1/2 67 1/2 61 1	Venezia M6 @Hcp0 60 Cinto Tora, General J., Ms. Balding 6
8Feb81-8Aqu	1 1/8 @:47 1:11 1:51 3sy	6 1/2 113	71 5 71 0 48 41 1	VnzM5 @Rare Treat H 77 Plnkton, EnglishTrifle, I'llBeAround 9
Apr 20 SA 4f ft :50 4 h		Apr 4 SA 1 ft 1:43 4 h		● Mar 29 SA 6f gd 1:13 2 h
				● Mar 24 SA 1 ft 1:38 h

Coax Me Home *

Own.—Johnston-Johnston Est et al

115

Ch. m. 5, by Windy Sands—Carry Me Home, by Coursing

Br.—Old English Rancho (Cal)

Tr.—Warren Donald

Lifetime 19 6 4 3 \$116,590

1982 5 1 1 1 \$27,240

1981 9 4 1 2 \$75,750

Turf 5 2 0 1 \$28,540

10Apr82-8SA 1 $\frac{1}{16}$:454 1:094 1:42 ft 16 115 33 33 31 2nk Sibille R3 @St Lca H 91 Si, Coax Me Home, Sweet Maid 8
 25Mar82-8SA 1 $\frac{1}{16}$:474 1:121 1:481 fm 2 $\frac{1}{2}$ 114 11 1 $\frac{1}{2}$ 11 $\frac{1}{2}$ 5nk Hawley S5 @Aw40000 86 BScout, MssHuntington, PlntyO'Tool 6
 26Feb82-8SA 1 $\frac{1}{16}$:453 1:10 1:473 fm 6 $\frac{1}{2}$ 117 22 2nd 2 $\frac{1}{2}$ 43 $\frac{1}{2}$ Pincay Ljr5 @Aw40000 85 Manzanera, Tacor, MissHuntington 10
 14Feb82-10TuP 1 $\frac{1}{16}$:482 1:134 1:461 fm 3 $\frac{1}{2}$ 123 31 $\frac{1}{2}$ 1hd 1hd 32 PowllJP6 @Sns Gr1 H 86 Bttlewind, ElevenPlicns, CoxMHom 11
 3Jan82-10TuP 1 @:48 1:141 1:41 fm *1 122 32 31 $\frac{1}{2}$ 3 $\frac{1}{2}$ 1 $\frac{1}{2}$ PowllJP7 Chrs Evt H 86 CoaxMeHome, DeRuci, SunsetStrip 11

3Jan82—Run in two divisions, 8th & 10th races.

25Sep81-11Pom 1 $\frac{1}{16}$:473 1:12 1:442 ft *1-2e 117 55 45 $\frac{1}{2}$ 46 $\frac{1}{2}$ 35 MenaF8 @Ls Mdrns H 85 ConkyJohnston, LRegl, CoxMeHome 93Sep81-9Dmr 1 $\frac{1}{16}$:453 1:103 1:44 ft *4-5 117 22 $\frac{1}{2}$ 21 $\frac{1}{2}$ 2nd 2nk PincayLjr3 @Jun DrIng 80 Bishop Again, CoaxMeHome, Nuera 5

3Sep81—Run in two division, 8th & 9th races.

7Aug81-7Dmr 7 $\frac{1}{2}$ f @:224 :46 1:292 fm 10 117 1 $\frac{1}{2}$ 2nd 1 $\frac{1}{2}$ 1nk Pincay Ljr5 @Aw26000 94 CoaxMeHome, MiQuimer, BerryBush 911Apr81-8SA 1 $\frac{1}{16}$:452 1:10 1:414 ft 18 116 42 43 45 410 VinzulPA1 @St Lca H 82 Finance Charge, Si, Swift Bird 1026Mar81-9SA 1 $\frac{1}{16}$:461 1:112 1:43 ft 14 119 27 21 1 $\frac{1}{2}$ 1nk Hawley S9 @Aw32000 86 CoaxMeHome, Flordelisada, Tangaro 9Apr 19 SA @ 5f fm 1:02 $\frac{3}{4}$ h (d) Apr 4 SA 5f ft :59 $\frac{2}{5}$ h Mar 21 SA 5f ft 1:00 $\frac{2}{5}$ h Mar 13 SA 5f sl 1:04 $\frac{1}{5}$ h**Granja Deseo**

Own.—Granja Vista del Rio Stable

116

B. m. 5, by Astray—Marimacho, by Lake Erie

Br.—Granja Vista del Rio (Cal)

Tr.—Palma Hector O

Lifetime 38 4 7 6 \$126,450

1982 7 1 0 1 \$33,875

1981 19 2 5 4 \$76,150

Turf 19 3 3 3 \$93,075

3Apr82-8SA 1 $\frac{1}{4}$:461 1:353 2:003 ft 16 115 710 711 713 612 Pierce D7 @Sta Brb H 74 Ack'sSecret, Lndresse, PlentyO'Tool 8
 25Mar82-8SA 1 $\frac{1}{16}$:474 1:121 1:481 fm 6 $\frac{1}{2}$ 119 68 $\frac{1}{2}$ 65 $\frac{1}{2}$ 32 $\frac{1}{2}$ 4hd ShoemkrW4 @Aw40000 86 BScout, MssHuntington, PlntyO'Tool 6
 13Mar82-8SA 1 $\frac{1}{2}$:484 2:022 2:272 gd 12 112 713 713 715 411 ShomkrW7 Sn Mrno H 67 LemhiGold, Exploded, ChnceyBidder 8

13Mar82—Run in two divisions, 8th & 9th races.

26Feb82-8SA 1 $\frac{1}{16}$:453 1:10 1:473 fm 11 121 921 916 98 $\frac{1}{2}$ 76 Sibille R2 @Aw40000 83 Manzanera, Tacor, MissHuntington 1018Feb82-8SA 1 $\frac{1}{16}$:464 1:121 1:483 fm 16 115 712 75 43 $\frac{1}{2}$ 33 $\frac{1}{2}$ Sibille R2 @Aw40000 80 BerryBush, SatinRibera, GranjDeseo 75Feb82-8SA 1 $\frac{1}{16}$:453 1:094 1:47 fm 14 115 718 714 54 $\frac{1}{2}$ 53 $\frac{1}{2}$ Sibille R7 @Aw45000 89 Daeltown, Lisawan, Berry Bush 715Jan82-8SA 1 $\frac{1}{16}$:482 1:123 1:494 fm 5 115 87 $\frac{1}{2}$ 84 $\frac{1}{2}$ 2 $\frac{1}{2}$ 1 $\frac{1}{2}$ Sibille R1 @Aw35000 78 Granja Deseo, Balletomane, Gracias 84Dec81-8Hol 1 $\frac{1}{16}$:472 1:112 1:42 fm 7 $\frac{1}{2}$ 118 912 97 $\frac{1}{2}$ 54 $\frac{1}{2}$ 31 Sibille R2 @Aw27000 88 Saharet, Tap DancerII, GranjaDeseo 95Nov81-8SA 1 $\frac{1}{16}$:461 1:102 1:48 fm 5 $\frac{1}{2}$ 115 514 612 47 $\frac{1}{2}$ 42 $\frac{1}{2}$ WnIndWM1 @Aw34000 84 Battlewind, Syria, Forseek 928Oct81-7SA 1 $\frac{1}{16}$:472 1:124 1:503 fm 2 $\frac{1}{2}$ 113 65 $\frac{1}{2}$ 64 $\frac{1}{2}$ 31 $\frac{1}{2}$ 1hd WnIndWM2 @Aw28000 74 Granja Deseo, Colacka, Grasiosa 6Apr 21 SA 4f ft :47 $\frac{2}{5}$ h Apr 15 SA 5f ft 1:00 $\frac{1}{5}$ h Mar 21 SA 5f ft 1:01 $\frac{4}{5}$ h Mar 6 SA 6f ft 1:13 $\frac{1}{5}$ h**I Fell in Love**

Own.—Ring Mrs Connie M

114

B. f. 4, by Somethingfabulous—Selection, by T V Lark

Br.—Ring Connie M (Cal)

Tr.—Clapp Roger E

Lifetime 17 5 1 2 \$82,075

1982 3 1 0 0 \$20,750

1981 11 3 1 2 \$52,725

Turf 6 2 0 0 \$28,600

1Apr82-8SA 1 :47 1:112 1:364 sy 3 $\frac{1}{2}$ 1095 11 $\frac{1}{2}$ 13 15 16 $\frac{1}{2}$ Steiner J J3 @Aw35000 85 I Fell in Love, Viga, WesternStarlet 6
 3Mar82-8SA 6 $\frac{1}{2}$ f :213 :44 1:142 ft 28 114 54 59 $\frac{1}{2}$ 57 $\frac{1}{2}$ 610 SteinerJJ3 @Ls Cngs H 88 ExctblLdy, tQnfCrnl, Pppy'sLckyGr1 7

3Mar82—Placed fifth through disqualification

13Jan82-5SA a6 $\frac{1}{2}$ f @:213 :443 1:154 fm *2 $\frac{1}{2}$ 114 85 56 35 107 $\frac{1}{2}$ AsmsnCB4 @Aw32000 73 Chuck O Luck, Que Appeal, Larla 1129Dec81-7SA 1 $\frac{1}{16}$:463 1:104 1:421 ft 6 $\frac{1}{2}$ 1095 31 $\frac{1}{2}$ 32 $\frac{1}{2}$ 33 33 $\frac{1}{2}$ Steiner J J4 @Aw35000 87 ImptintLss, MssHuntington, IFllnLov 625Nov81-4Hol 1 :453 1:103 1:362 ft *1 117 22 $\frac{1}{2}$ 2 $\frac{1}{2}$ 21 $\frac{1}{2}$ 23 $\frac{1}{2}$ Pincay Ljr3 @Aw26000 80 TrckJester, IFellinLove, Spokswomn 518Oct81-7SA 6 $\frac{1}{2}$ f :221 :451 1:153 ft 7 $\frac{1}{2}$ 117 54 66 46 32 $\frac{1}{2}$ Pincay Ljr6 @Aw32000 89 Rosy Cloud, La Pistola, IFellinLove 730Sep81-9SA a6 $\frac{1}{2}$ f @:213 :433 1:141 fm 16 117 1012 1011 99 77 $\frac{1}{2}$ PclJr2 @Atmn Dys H 81 Save WildLife, Disconiz, IGotSpeed 11

30Sep81—Run in two divisions, 8th & 9th races.

29Aug81-8Dmr 1 $\frac{1}{16}$:46 1:102 1:421 ft 9 116 49 $\frac{1}{2}$ 45 36 58 $\frac{1}{2}$ Hawley S4 @Tory Pns 80 NorthernFble, GlitrHittr, Rj'sDlight 69Aug81-5Dmr 1 @:463 1:111 1:363 fm 9 112 11 $\frac{1}{2}$ 11 $\frac{1}{2}$ 12 1nk McCrrCJ10 @Aw24000 91 I Fell in Love, Nuera, Movin'Money 1029Jly81-7Dmr 1 $\frac{1}{16}$:464 1:12 1:444 fm 40 1075 12 12 45 $\frac{1}{2}$ 1114 WnIndWM9 @Aw24000 71 Reinstate, Rihuana, Jctsean 12● Apr 21 SA 3f ft :33 h Apr 11 SA 5f ft 1:00 $\frac{3}{5}$ h Mar 28 SA 1f 1:40 $\frac{2}{5}$ h Mar 22 SA 3f ft :34 $\frac{3}{5}$ h**Viendra**

Own.—Sangster R E

113

Ch. f. 4, by Raise a Native—Friendly Relations, by Nearctic

Br.—Harcourt H (Fla)

Tr.—Gosden John H M

Lifetime 10 2 2 0 \$38,997

1982 2 1 0 0 \$13,750

1981 8 1 2 0 \$25,247

Turf 10 2 2 0 \$38,997

15Apr82-5SA 1 $\frac{1}{16}$:48 1:124 1:491 fm 11 114 65 $\frac{1}{2}$ 31 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ Lipham T3 @Aw25000 81 Viendra, Sangue, Coral Dance 11
 4Mar82-5SA 1 $\frac{1}{4}$:471 1:37 2:011 fm 8 $\frac{1}{2}$ 113 78 $\frac{1}{2}$ 34 38 $\frac{1}{2}$ 612 Lipham T10 Aw21000 69 Rostropovich, Garibi, Latrone 10
 17Oct81-9WO 1 $\frac{1}{4}$:492 1:412 2:052 fm 25 118 53 $\frac{1}{2}$ 84 $\frac{1}{2}$ 88 $\frac{1}{2}$ 67 $\frac{1}{2}$ SwtukB6 @E P Taylor 72 De La Rose, Sangue, Sajama 9
 31Aug81◆4Newcastle(Eng) 1 $\frac{1}{4}$ 2:09 fm 2 $\frac{1}{2}$ 119 @ 23 Hide E @Virginia Vielle, Viendra, Docklands 4
 18Aug81◆4York(Eng) 1 $\frac{1}{2}$ 2:351 gd 11 126 @ 9 CthnS @Yorkshire Oaks(Gr1) Condessa, Leap Lively, Fiesta Fun 11
 1Aug81◆2Goodwood(Eng) 1 $\frac{1}{4}$ 2:093 gd 7 117 @ 42 $\frac{1}{2}$ CuthenS @Nassau(Gr2) Go Leasing, Vielle, Strigida 11
 8Jly81◆3Newmarket(Eng) 1 1:403 gd 20 115 @ 43 $\frac{1}{2}$ CuthenS @Child(Gr3) Star Pastures, Tolmi, Seasurf 10
 24May81◆4Longchamp(Fra) a1 $\frac{1}{4}$ 2:15 gd 10 128 @ 715 CuthenS @Prix St Alary(Gr1) Tootens, Tropicaro, Last Love 10
 15May81◆3Newbury(Eng) 1 $\frac{1}{4}$ 2:11 gd 4 119 @ 2nd CuthenS @Sr Chas Clre Strigida, Viendra, Leah 8
 6May81◆1Chester(Eng) a7 $\frac{1}{2}$ f 1:374 sf 3 $\frac{1}{2}$ 123 @ 12 $\frac{1}{2}$ CuthenS @Sefton(Mdn) Viendr, WhtHeven, CoptHillPrincess 10

Apr 10 SA @ 1 fm 1:41 $\frac{4}{5}$ h (d) Apr 5 SA @ 5f gd 1:02 $\frac{1}{5}$ h (d) Mar 31 SA 4f ft :51 h Mar 25 SA @ 7f fm 1:29 h

Since the track take in California is 15%, the expected value per dollar bet to show on Viendra using equation (4.6) is

$$\begin{aligned}
 \text{EX Show Viendra} &= 0.543 + 0.369 \left(\frac{16,353/129,233}{1,149/27,488} \right) \\
 &\quad + \left[3.60 - (2.13) \left(\frac{16,353}{129,233} \right) \right] (0.85 - 0.829) \\
 &= 1.66 + 0.07 \\
 &= 1.73.
 \end{aligned}$$

The expected value of 1.73 meant that, on average, we should expect to make a profit of 73% by betting on Viendra to show. The optimal bet was \$52.* Alternatively, with an expected-value cutoff of 1.14 at Hollywood Park, Figure 5.9 indicated that a bet should be made. From Figure 5.21 a bet of about \$15 was suggested. Again, because the expected value was so much higher than 1.18 the bet was quite conservative.

*The expected value of 1.73 was so high that there were problems using equation (5.5) to indicate the optimal bet. This was because equation (5.5) is the result of a statistical regression using data that had a maximum expected return to place or show of 1.40 plus the adjustment for track takes that differ from 17.1%. This was a reasonable methodology, since occurrences of expected returns greater than 1.40 are rare. What should be done when one of those outstanding occurrences, like Viendra, occurs? The approach we suggest is to pretend that the expected return is not really 1.73, but rather to determine the optimal bet with equation (5.5) on the premise that the expected return is 1.40. This is done by pretending that the public's show bet on Viendra is not really \$1,149, but a larger value that will yield an expected return of 1.40. From equation (4.4) we can calculate this larger value, for adjusted S_i , as $\tilde{S}_i = q_i S / 2.32 = (0.1265)(27,488) / 2.32 = \$1,498$ for Viendra. Using $q_i = 0.1265$, $S = 27,488$, and $\tilde{S}_i = 1,498$ in equation (5.5) yields the suggested bet of \$52. This approach indicates a lower bet than is optimal, but usually it is close. The use of equations (5.4) and (5.5) in such situations is discussed further in Chapter Sixteen. For Viendra, $q_i = 16,353/129,233 = 0.1265$, $S = 27,488$, and the adjusted $\tilde{S}_i = 1,498$. From equation (4.6), $\text{EX Show Viendra} = 1.40 + 0.07 = 1.47$, and from equation (5.5),

$$\begin{aligned}
 \text{Show bet} \\
 \text{Viendra} &= \left[131 + 2,150(0.1265)^2 - 1,780(0.1265)^3 \right. \\
 &\quad \left. - \left(\frac{150}{(0.1265)(27,488)/1,498 - 0.70} \right) \right] \left(\frac{27,488 - 6,000}{94,000} \right) \\
 &\quad + \left[86 + 1,516(0.1265)^2 - 968(0.1265)^3 \right. \\
 &\quad \left. - \left(\frac{90.7}{(0.1265)(27,488)/1,498 - 0.85} \right) \right] \left(\frac{100,000 - 27,488}{94,000} \right) = \$52.
 \end{aligned}$$

Viendra ran a strong race but was beaten by the favorite, Tacora. I Fell in Love took third. Because the Dr. Z system bet was so good, Viendra at 5—1 paid \$8.80 to place and a whopping \$9.40 to show. What a bet! My \$52 bet to show returned \$244.40, for a profit of \$192.40. The chart of the race was as follows:

NINTH RACE

Hollywood

APRIL 24, 1982

1 1/16 MILES. (TURF) (1.39 4/5) 4th Running of THE MATINEE HANDICAP (2nd Division). \$40,000 added. Fillies and mares. 3-year-olds and upward, which have not won \$24,000+ other than claiming or starter since December 25, 1981. By subscription of \$50 each, which shall accompany the nomination, \$500 additional to start, with \$40,000 added, of which \$8,000 to second, \$6,000 to third, \$3,000 to fourth and \$1,000 to fifth. Weights, Monday, April 19.

Starters to be named through the entry box by closing time of entries. A trophy will be presented to the owner of the winner. *A race worth \$24,000 to the winner. Closed Wednesday, April 14, 1982 with 36 nominations.

Value of race \$44,900, value to winner \$26,900, second \$8,000, third \$6,000, fourth \$3,000, fifth \$1,000. Mutuel pool \$206,780. Exacta Pool \$428,516.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
20Mar82	BSA 4 Tacora	b	5	116	8	5	3 1/2	3hd	5-1	4-2 1/2	1 1/2	McCarron C J	2.40
15Apr82	SSA 1 Viendra		4	113	6	7	6 1/2	7-3	6-1	3hd	2hd	Lipham T	5.70
1Apr82	BSA 1 I Fell in Love	b	4	114	5	3	1-1	1 1/2	1hd	1-1	3-2 1/2	Steiner J J	10.60
3Apr82	BSA 6 Granja Deseo		5	116	4	8	8	8	8	6-2	4hd	Shoemaker W	4.70
10Apr82	BSA 2 Coax Me Home		5	115	3	1	2hd	4 1/2	3hd	2 1/2	5-1 1/2	Valenzuela P A	4.50
10Apr82	BSA 3 Sweet Maid		5	114	2	4	5hd	6hd	7-2	7 1/2	6 1/2	Asmussen C B	8.30
17Apr82	7SA 6 Swift Bird	b	5	115	1	2	4 1/2	2-1 1/2	2-1	5 1/2	7-4	McHargue D G	12.80
27Mar82	BSA 3 Chateau Dancer		4	115	7	6	7-3	5-1 1/2	4 1/2	8	8	Guerra W A	7.50

OFF AT 6:07. Start good. Won driving. Time, :23 1/5, :47 3/5, 1:11 3/5, 1:35 2/5, 1:41 2/5 Course firm.

\$ 2 Mutuel Prices:

8- TACORA..... 6.80 3.80 3.00

6- VIENDRA..... 8.80 9.40

5- I FELL IN LOVE..... 7.80

\$5 EXACTA 8-6 PAID \$169.00.

B. m, by Mr Long-Temuquita, by Nipigon. Trainer Rossi Lee J. Bred by Alamos P B (Chile).

TACORA, in contention from the outset, responded for the final drive, found room between horses in the upper stretch and outfinished VIENDRA. The latter, unhurried for six furlongs, went outside to rally entering the stretch and finished strongly. I FELL IN LOVE, used up making the early pace, weakened in the final furlong. GRANJA DESEO, devoid of early speed, rallied wide and did not threaten. COAX ME HOME lodged a bid near the rail entering the stretch but weakened in the final furlong. SWIFT BIRD forced the early pace outside of I FELL IN LOVE and tired in the stretch. CHATEAU DANCER, in good position between horses for six furlongs, tired in the stretch.

Owners- 1, Maggio C J; 2, Sangster R E; 3, Ring Mrs Connie M; 4, Granja Vista del Rio Stable; 5, Johnston-Johnston Est et al; 6, Elmendorf; 7, Nakamura K; 8, Pegasus Stud & St George.

Trainers- 1, Rossi Lee J; 2, Gosden John H M; 3, Clapp Roger E; 4, Palma Hector O; 5, Warren Donald; 6, McAnally Ronald; 7, Doyle A T; 8, Russell John W.

Overweight: Swift Bird 1 pound.

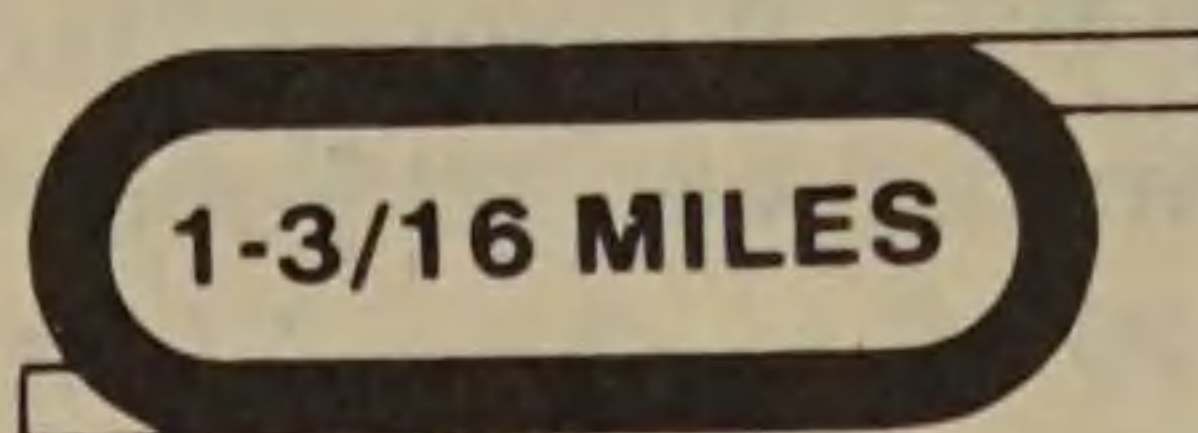
Scratched- Vocalist (23Apr82 8GG 1).

Attendance 30,386. Total Mutuel Pool \$4,784,784.

The Longacres Derby, Longacres, Renton, Washington, August 14, 1983

Longacres is one of America's top tracks, serving the metropolitan Seattle area. A top race brings out a huge crowd. One of the major races of the year was the forty-sixth running of the Longacres Derby. It was a \$100,000 added race over 1³/₁₆ miles for three-year-olds. The \$73,000 winner's share of the purse drew a number of strong horses, including Junction Road, Mythically, Lifaregal, and Dynamic Doc. The overwhelming favorite, however, was Prairie Breaker. With eight wins, a second, and a third in eleven starts against tough competition in 1983, Prairie Breaker certainly was the horse to beat.

The crowd established Prairie Breaker as a 4—5 favorite. In the best stakes races, top horses going off at less than even money are often Dr. Z system bets. An especially appealing situation, often leading to outstanding payoffs, arises when there are no other top choices and the betting is spread



WIN	PLACE	SHOW

NINTH

LONGACRES DERBY (46th Running)

PURSE \$100,000 ADDED. FOR THREE-YEAR-OLDS. By subscription of \$150, which shall accompany the nomination, \$500 to pass the entry box, \$1,000 additional to start with \$100,000 added, of which \$20,000 to second, \$15,000 to third and \$10,000 to fourth and \$3,000 to fifth. All nominations, entry and starting fees to the winner. Closed with 44 nominations.

Track Record—REGALBERTO (3) 122—1:54

ONE MILE AND THREE-SIXTEENTH

	OWNER	TRAINER	JOCKEY
	Tri Star Stable, R. Tsang & W. Bowie Chinese red, gold stars on back, red cap	Dave Forster	6
1	JUNCTION ROAD Br. c. 3 Junction—Cycool (KY)	115	Kenneth Skinner
	Osborne Farm Yellow, brown cross sashes, brown stripe on sleeves, yellow cap	Howard Belvoir	50
2	ALLOWANCE Ch. c. 3 Champagne Supper—Fund (WA)	106	Gallyn Mitchell
	Marvin Pietila & Estate of Waino Pietila Blue, white band, blue cap	Dick Wilkinson	4/5
3	PRAIRIE BREAKER B. g. 3 Sir Paulus—Addie O Lea (WA)	124	Gary Stevens
	Mr. & Mrs. Peter J. Whiting Yellow, brown sash, yellow cap	L. Shoemaker	9/2
4	MYTHICALLY B. c. 3 Run of Luck—Never Vain (CA)	118	Paul Nicolo
	Loto Can, Inc. Red & black stripes, red & black cap	Gary Vickery	30
5	COUNTRY BORN B. g. 3 Native Born—Runnun Tell (WA)	110	Mike James
	Selvin, Siegel, Wellman et al Beige, bulldog on back, matching cap	Jim Penney	5
6	LIFAREGAL B. c. 3 President—Regal Key (FRA)	117	Martin Pedroza
	Poor Four Stable White, red flame & yellow emblem on back, red & yellow cap	Howard Belvoir	50
7	SABER BEN Ch. c. 3 Champagne Supper—Saber Deb (WA)	108	Basil Frazier
	Rimrock Stable & Edwards Bloodstock Dark blue, blue & gray checks on sleeves, gray E on back, matching cap	Ed Walsh	10
8	DYNAMO DOC Br. c. 3 Bold Commander—Little Girl Lost (KY)	115	Danny Sorenson
	Heather Dedomenico Yellow, brown cross sashes, brown stripe on sleeves, D on back, yellow cap	Dan Kenney	15
9	HEATHER ALA RONI Br. f. 3 Theologist—Scarlet Heather (WA)	110	Jerry Taketa
	Vaughan Stable Orange, blue sleeves & sash, orange cap	Kay Vaughan	50
10	RED BARON RETURNS Ch. c. 3 Mateor—T. V. Return (WA)	110	J. W. Mills

CLOCKER'S SELECTION: 3-4-6

9th Lga

1 3-16 MILES. (1:54). 46TH RUNNING OF THE LONGACRES DERBY. Purse, \$100,000-added. 3-year-olds. By subscription of \$150, which shall accompany the nomination, \$500 to pass the entry box, \$1,000 additional to start with \$100,000-added, of which \$20,000 to second, \$15,000 to third, \$10,000 to fourth and \$3,000 to fifth. All nominations, entry and starting fees to the winner. High weights preferred. Closed Friday, July 15 with 44 nominations.

Junction Road

115

Dk. b. or br. c, 1980, by Junction—Cycool, by Cyane. Breeder, Morris-O'Brien (Ky.). 1983. 8 3 2 2 \$31,062 1982. 0 M 0 0

Owner, Tri Star Stable-R. Tsang-W. Bowie. Trainer, Dave Forster.

31Jly 83	9Lga	1 1/8	:45:41:09:41:49:4ft	9	117	515	49 1/2	44 1/2	32 1/2	SkinnrK8	HcpS 82	PrairieBreaker124	Mythically	8
16Jly 83	9EP	1 1/8	:47:31:12:41:44:4ft	9-5	116	41 1/2	1h	12 1/2	13	SkinnrK3	HcpS 87	JunctionRoad116	PhylThBses	8
3Jly 83	8Lga	6 1/2 f	:22:45:1:14:4ft	5 1/2	117	42 1/2	21 1/2	33	28	SkrK5	Aw10000	87 ExclusivBiddr119	JnctnRoad	9
25Jun83	9Lga	1 1/8	:46:31:11:21:42:4ft	2 1/2	122	76 1/2	43	44 1/2	58 1/2	PircL4	Aw10000	76 Dynamo Doc 117	Ourteshun	8
25Jun83—Wide.														
15Jun83	9Lga	6 1/2 f	:22:44:31:16 ft	2 1/2	120	42 1/2	43	44 1/2	31 1/2	RycftC8	Aw9400	87 PicO'Morn120	ExclusiveBddr	8
18May83	9EP	6 1/2 f	:21:45:21:18:2ft	6-5	120	69 1/2	75 1/2	51 1/2	1 1/2	RyctD7	Aw6400	86 JnctnRoad120	MoneySprgs	9
30Apr83	6EP	6 1/2 f	:22:45:21:18 ft	1-2	120	35	24	13	15	RycrftD6	Mdn 88	JunctionRoad	VictoriousLd	9
16Apr83	7EP	6 f	:23:46:31:11:4ft	2-3	120	21	2h	1 1/2	2 1/2	RycrftD3	Mdn 92	ThroghAndClr	JunctionRoad	9

16Apr83—Jumped gate trks st
Aug 11 EP 5f ft 1:03 2/5 b

June 13 Lga 4f ft :47 1/5 h

June 8 EP 5f ft 1:03 h

Allowance

106

Ch. c, 1980, by Champagne Supper—Fund, by Speak John. Breeder, Osborne Farm (Wash.). 1983. 6 0 1 1 \$4,116 1982. 11 2 0 3 \$10,210

Owner, Osborne Farm. Trainer, Howard Belvoir.

7Aug83	9Pla	1	:46:1:11:1:36:4ft	3 1/2	118	34	34 1/2	45 1/2	45 1/2	ColtonR4	HcpS 87	MissMackee121	Wnd'emHgh	7
27Jly 83	6Lga	1 1/8	:46:11:11:1:43:2sy	4 1/2	119	36 1/2	1 1/2	2h	2 1/2	BazeMB4	25000	81 Bold Treaty 116	Allowance	7
7Jly 83	9Lga	6 f	:22:44:41:08:2ft	39	117	63 1/2	79	1020	918	MhGV6	Aw8500	76 DncngDirctr119	FortithPrnc	11
30Jun83	8Lga	6 f	:21:44:21:09 ft	34	111	712	712	614	79 1/2	MtchlGV6	40000	81 DanengDirectr120	TudrRmmr	10
28Jan83	1SA	1	:47:11:13:31:42:1sl	9	116	716	819	pulled up	ToroF8	32000	BranBey		DarkAce	8
14Jan83	9SA	1 1/8	:47:41:12:1:43:4ft	5	116	52	32 1/2	33 1/2	32	ToroF1	32000	80 Bick'sAKick	DarkAce	9
29Dec82	2SA	1	:45:21:10:31:37:2ft	3 1/2	116	810	86 1/2	64 1/2	75	SmkrW5	32000	76 DarkAce	MoorsMountain	10
23Dec82	5Hol	1 1/8	:47:21:13:21:47:1sl	4 1/2	115	57	66	61 1/2	64	ShkrW7	50000	55 SterlingSilva	Brazenesian	8
19Nov82	1Hol	6 f	:22:45:21:11:1gd	21	115	94 1/2	54	58	31	BlackK8	40000	80 AllTheBest	FuzzyFreeze	9
10Oct82	9Lga	1 1/8	:47:21:13:41:48:2sl	26	122	915	1015	1023	1021	LosthC12	SpwS 36	Dave's Reality 122	Chirp	13
19Sep82	9Lga	1	:46:1:10:31:36:4ft	6 1/2	120	79 1/2	89 1/2	610	613	BazMB10	HcpS 72	Dave's Reality 122	Tubafor	10
5Sep82	7Lga	6 1/2 f	:22:45:1:17:3ft	25	120	55	44 1/2	36	12	BzMB1	Aw7500	81 Allowance 120	Sailalong	9

JULY 19 LGA 3F FT :35 2/5 B

June 22 Lga 5f ft 1:02 3/5 bc

June 14 Lga 5f ft 1:01 1/5 bc

Prairie Breaker

124

B. g, 1980, by Sir Paulus—Addie O. Lea, by Orazio. Breeder, Waino-Marvin Pietila (Wash.). 1983. 11 8 1 1 \$85,793 1982. 0 M 0 0

Owner, Marvin Pietila-Estate of Waino Pietila. Tr., D. Wilkinson.

31Jly 83	9Lga	1 1/8	:45:41:09:41:49:4ft	3-5	124	615	510	34	12	StevenG7	HcpS B4	PrairieBreaker124	Mythically	8
17Jly 83	9Lga	1 1/8	:45:31:10:11:43:1ft	4-5	122	512	38 1/2	2h	15 1/2	StevenG7	HcpS 83	PrairieBreakr122	SonofSibirri	7
3Jly 83	9Lga	1	:45:41:10:41:36:2ft	4 1/2	119	88 1/2	32 1/2	11	11 1/2	StevenG8	HcpS 87	PrairieBreakr119	DynamoDoc	8
19Jun83	9Lga	6 1/2 f	:21:44:11:14:2ft	2 1/2	120	77	78 1/2	67	45	StvnsG10	HcpS 92	King Alphonse 124	Sailalong	11
29May83	9Lga	6 f	:21:44:11:09:4ft	3	116	78 1/2	79 1/2	48	11 1/2	StvnsG4	HcpS 87	Prairie Breaker116	Sailalong	8
8May83	9Lga	5 1/2 f	:21:45:1:04 m	7 1/2	122	98 1/2	71 1/2	714	32	StvnsG11	AlwS 90	NoTheologian120	Intoxicator	11
24Apr83	9PM	1 1/8	:48:11:12:41:44:2ft	1-2	123	54	2h	12	13	StvnsG5	HcpS 94	PrairieBreakr123	RahRahRah	5
14Apr83	9PM	6 f	:22:46:1:10:3ft	1-5	121	21 1/2	3 1/2	2h	1 1/2	StvnsG5	Aw3000	94 PrairieBreaker121	JustFrBill	5
20Mar83	9PM	1	:47:41:13:21:38:4ft	3-5	117	36 1/2	2h	15	112	StvnsG1	Aw3100	87 PrairieBreakr117	ScappsBay	7
20Feb83	9PM	1 1/8	:46:31:12:41:47:4gd	6-5	120	26	26	22	22 1/2	BazeG3	HcpS 74	Boss C. 121	Prairie Breaker	12
5Feb83	2PM	6 f	:22:46:11:12:2ft	8	120	21 1/2	21 1/2	12 1/2	16 1/2	BazeG12	Mdn 85	PrairieBreakr120	Prediction	12

AUG 11 LGA 5F FT 1:00 1/5 B

JULY 14 LGA 5F M 1:00 3/5 H

June 16 Lga 4f ft :50 b

Mythically

118

B. c, 1980, by Run of Luck—Never Vain, by Prince Tenderfoot. Breeder, Mr.-Mrs. P. J. Whiting (Calif.). 1983. 8 2 5 0 \$36,490

Owner, Mr.-Mrs. P. J. Whiting. Trainer, Leonard Shoemaker.

31Jly 83	9Lga	1 1/8	:45:41:09:41:49:4ft	3 1/2	120	38 1/2	36 1/2	23	22	NicoloP2	HcpS 82	PrairieBreaker124	Mythically	8
9Jly 83	11Pln	1 1/8	:47:1:11:31:44 ft	1	119	31	2h	1h	21 1/2	NicoloP5	HcpS 83	IdealMoment114	Mythically	8
19Jun83	8GG	1 1/8	:46:21:11:21:45 fm	4 1/2	114	11	11	11	2nK	NicoloP2	HcpS 77	BrianKe	Mythically	11
10Jun83	6GG	1 1/8	:46:1:10:41:43:2ft	3 1/2	120	21 1/2	1h	13	16	NclP2	Aw13000	86 Mythically	HundrdollrJo	8
21May83	6GG	1 1/8	:47:1:11:11:44 ft	2 1/2	112	12	13	16	17	NicoloP9	Mdn 83	Mythically	Exhibit	10
7May83	1GG	1 1/8	:46:11:11:1:45 ft	8-5	118	2 1/2	2 1/2	3 1/2	2 1/2	NicoloP4	Mdn 77	HonoredOne	Mythically	9
7May83—Lugged out, bumped stretch.														
23Apr83	2GG	6 f	:22:46:31:13 sy	7-5	118	43 1/2	52 1/2	41	21	†NicoloP6	Mdn 73	Blck'iShrrod	Mythically	10
†Disqualified and placed fifth.														
8Apr83	7GG	6 f	:22:46:41:11:3ft	3	118	83 1/2	74 1/2	33 1/2	2nK	NclP5	M25000	81 Interim	Mythically	10
8Apr83—Bumped hard break, lacked room 3 1-2.														

Aug 11 Lga 5f ft 1:02 2/5 b

JULY 23 GG 7F FT 1:27 4/5 H

JULY 2 GG 7F FT 1:25 2/5 h

Country Born *

110

B. g, 1980, by Native Born—Runnun Tell, by Tell. Breeder, L & M Farms, Inc (Wash.). 1983. 6 1 2 1 \$9,965 1982. 5 2 1 0 \$30,656

Owner, Loto Can, Inc. Trainer, Gary Vickery.

10Aug83	8Lga	1 1/8	:46:21:11:1:43:4ft	5 1/2	118	11	13	13	15 1/2	BzMB8	Aw8500	80 CountryBorn118	Lyon'sShadw	12
27Jly 83	7Lga	1 1/8	:47:21:12:1:44:3sy	3 1/2	119	11	11 1/2	13	2 1/2	BzMB4	Aw8500	75 Lyon'sShadow117	CountryBrn	7
14Jly 83	9Lga	1 1/8	:46:41:12:21:45:1m	3 1/2	119	15	14	11 1/2	31 1/2	BazeMB7	32000	71 RedBrnRtrns120	Lyon'sShdw	11
15Jun83	9Lga	6 1/2 f	:22:44:31:16 ft	5 1/2	120	2 1/2	3 1/2	32 1/2	44 1/2	BzMB6	Aw9400	84 PicO'Morn120	ExclusiveBddr	8
15Jun83—Wide.														
25May83	9Lga	6 f	:22:45:41:10:3ft	3	119	42	32 1/2	31	22 1/2	BzMB1	Aw8500	80 PhilE.B.Jon122	CountryBorn	11
8May83	9Lga	5 1/2 f	:21:45:1:04 m	4 1/2	120	53 1/2	55	57 1/2	66	BazeMB9	AlwS 86	NoTheologian120	Intoxicator	11
8May83—Wide on turn.														
10Oct82	9Lga	1 1/8	:47:21:13:41:48:2sl	7 1/2	122	31 1/2	33	1229	1340	BazeMB3	SpwS	Dave's Reality 122	Chirp	13
26Sep82	9Pla	6 1/2 f	:22:46:11:19:1m	4 1/2	121	11 1/2	15	15	112	BazMB6	SpwS 89	CountryBorn121	PicO'Morn	12
5Sep82	9Lga	6 1/2 f	:22:45:1:18:1ft	3 1/2	121	31	31 1/2	913	129 1/2	HowgR8	SpwS 68	Big Flyer 121	Time of Sale	12
21Aug82	4Lga	6 f	:22:46:1:11:3ft	8-5	120	1h	1h	12	16	HowgR9	Mdn 78	CountryBorn120	ShotABid	11

July 8 Lga 7f ft 1:24 h

June 9 Lga 7f ft 1:28 b

MAY 21 LGA 6F FT 1:13 2/5 H

Lifaregal*117**B. c, 1980, by President—Regal Key, by Royal and Regal.
Breeder, M. Desandre (Fra.).

Owner, Selvin-Siegel-Wellman et al. Trainer, Edwin Gregson.

1983. 5 1 0 0 \$15,700

1982. 8 2 4 1 \$23,714

LIFETIME (thru 1982) 8 2 4 1 \$23,714

24Jly 83 8Hol 1 $\frac{1}{8}$:4631:3512:01 ft 35 114 77 $\frac{1}{2}$ 66 61 $\frac{1}{2}$ 68 $\frac{1}{2}$ MezaRQ6 AlwS 77 Hyperborean115 MyHabitony 9
 19Jun83 8GG ①1 $\frac{1}{8}$:4621:1121:45 fm 4 118 88 $\frac{1}{2}$ 87 $\frac{1}{2}$ 54 $\frac{1}{2}$ 74 MenaF7 HcpS 73 BrianKe Mythically 11
 11Jun83 8Hol ①1 $\frac{1}{8}$:49 1:1331:43 fm 18 115 96 $\frac{1}{2}$ 94 $\frac{1}{2}$ 51 $\frac{1}{2}$ 53 PierceD9 HcpS 81 BaronO'Dublin TanksBridge 9
 21May83 8Hol ①1 $\frac{1}{8}$:4611:1021:412fm 4 $\frac{1}{2}$ 118 914128 1210129 $\frac{3}{4}$ ShkrW13 HcpS 82 Barberstown LovrBoy 13
 30Apr83 9Hol 1 $\frac{1}{8}$:4821:1321:463gd 4 $\frac{1}{2}$ 115 35 $\frac{1}{2}$ 34 31 $\frac{1}{2}$ 1nk TroF2 Aw24000 62 Lifaregal O'HappyDay 6
 13Nov82 3Marseill(Fra) ①a1 $\frac{1}{4}$ sf 122 15 GoudotB Px Dlahnte Lifaregal HatTrick MyWinter 10
 13Nov82—No time taken; no wagering.
 16Oct82 1Lyon(Fra) ①a1 $\frac{1}{8}$ sf 128 42 $\frac{1}{2}$ GoudotB Px D Rouvrs RoyaldeLuze OretDiamant MisWn 11
 16Oct82—No time taken; no wagering.
 29Sep82 1Marseill(Fra) ①a1 $\frac{1}{8}$ gd 121 11 BlscG PxMsAndn(Mdn) Lifaregal Royal deLuze Cargy 9
 29Sep82—No time taken; no wagering.
 AUG 8 DMR 1M FT 1:37 $\frac{3}{4}$ H Aug 1 Dmr 5f ft 1:00b July 19 Hol 5f ft :59 $\frac{3}{4}$ h

Saber Ben**108**Ch. c, 1980, by Champagne Supper—Saber Deb, by Saber Charge.
Breeder, Osborne Farms (Wash.).

Owner, Poor Four Stable. Trainer, Howard Belvoir.

1983. 4 1 0 0 \$4,235

1982. 6 1 3 0 \$8,655

LIFETIME (thru 1982) 6 1 3 0 \$8,655

31Jly 83 9Lga 1 $\frac{1}{8}$:4541:0941:494ft 37 111 82 $\frac{1}{2}$ 815 713 512 FrazierB1 HcpS 72 PrairieBreaker124 Mythically 8
 20Jly 83 7Lga 6 $\frac{1}{2}$ f :213 :4421:154ft 26 119 10101011 46 1 $\frac{1}{2}$ BazeMB8 25000 90 Saber Ben 119 Just Cavorting 11
 7Jly 83 9Lga 6f :222 :4441:082ft 64 122 106 $\frac{1}{2}$ 1015 918 815 PiercL8 Aw8500 79 DncngDirctr119 FortithPrnc 11
 30Jun83 8Lga 6f :214 :4421:09 ft 27 113 10151016 924 917 StevenG2 40000 74 DancngDirectr120 TudrRmmr 10
 14Dec82 6BM 6f :223 :4541:104ft 9 114 97 108 $\frac{1}{2}$ 79 $\frac{1}{2}$ 88 $\frac{1}{2}$ LncC1 Aw12000 77 SportingBlood NIN'Shn 10
 14Dec82—Lacked racing room in backstretch.
 30Nov82 6BM 6f :24 :49 1:15 sy8-5 113 42 31 22 22 $\frac{1}{2}$ LmcC5 Aw12000 62 DistantMan SaberBen 5
 19Nov82 8BM 6f :222 :4531:113sy 3 $\frac{1}{2}$ 113 69 $\frac{1}{2}$ 48 37 24 LmcC4 Aw12000 78 NoTheologian SaberBen 6
 31Oct82 9PM 6f :214 :45 1:114ft 11 120 812 918 48 $\frac{1}{2}$ 24 $\frac{1}{2}$ BazeMB6 HcpS 83 Kim Como 117 Saber Ben 12
 24Oct82 9Lga 1 $\frac{1}{8}$:47 1:1141:513m 21 116 1214121514271429 MrcVV11 HcpS 46 Yuma Queen 114 Tubafor 14
 8Oct82 5Lga 6f :223 :4641:13 m 14 120 65 $\frac{1}{2}$ 67 $\frac{1}{2}$ 41 $\frac{1}{2}$ 15 BzMB2 M25000 71 Saber Ben 120 Noodle Roni 8
 Aug 10 Lga 5f ft 1:01 $\frac{1}{2}$ b June 22 Lga 5f ft 1:02 $\frac{3}{4}$ bc June 14 Lga 5f ft 1:00 $\frac{3}{4}$ h

Dynamo Doc**115**Dk. b. or br. c, 1980, by Bold Commander—Little Girl Lost, by Tudor
Grey. Breeder, Jim Eagle (Ky.).

Owner, Rimrock Stable-Edwards Bloodstock. Tr., Ed Walsh.

1983. 7 2 1 0 \$17,220

1982. 10 1 3 3 \$21,460

LIFETIME (thru 1982) 10 1 3 3 \$21,460

3Jly 83 9Lga 1 :4541:1041:362ft 8 $\frac{1}{2}$ 119 78 $\frac{1}{2}$ 54 $\frac{1}{2}$ 53 $\frac{1}{2}$ 21 $\frac{1}{2}$ SornsnD4 HcpS 85 PrainiBreakr119 DynamoDoc 8
 3Jly83—Wide on second turn.
 25Jun83 9Lga 1 $\frac{1}{8}$:4631:1121:424ft 21 $\frac{1}{2}$ 117 89 $\frac{3}{4}$ 53 $\frac{1}{4}$ 2h 16 SrnD5 Aw10000 85 Dynamo Doc 117 Ourteshun 8
 19Jun83 9Lga 6 $\frac{1}{2}$ f :214 :4411:142ft 32 120 108 $\frac{1}{2}$ 109 $\frac{1}{2}$ 77 56 $\frac{1}{2}$ PiercL7 HcpS 90 King Alphonse 124 Sailalong 11
 29May83 9Lga 6f :212 :4411:094ft 12 120 810 810 612 67 $\frac{1}{2}$ PiercL3 HcpS 80 Prairie Breaker116 Sailalong 8
 23Apr83 7GG 1 $\frac{1}{8}$:4711:1141:511ft 56 112 fell SornsnD4 AlwS ParisPrince119 TanksBrigade 12
 14Apr83 8GG 1 :5011:1441:392ft 6 113 67 $\frac{1}{2}$ 610 58 46 SrnD5 Aw13000 65 TanksBrigade Thurman 6
 14Apr83—Broke in tangle
 22Mar83 6GG 6f :231 :4641:123m 4 $\frac{1}{2}$ 113 66 $\frac{1}{2}$ 66 $\frac{1}{2}$ 55 $\frac{1}{2}$ 1no SrnD5 Aw11000 76 DynamoDoc AuntieRose 6
 22Mar83—Bobbled at break
 24Oct82 9Lga 1 $\frac{1}{8}$:47 1:1141:513m 4 $\frac{1}{2}$ 119 812 78 $\frac{1}{2}$ 34 511 PiercL1 HcpS 64 Yuma Queen 114 Tubafor 14
 10Oct82 9Lga 1 $\frac{1}{8}$:4721:1341:482sl 7 $\frac{1}{2}$ 122 1117 813 47 36 $\frac{3}{4}$ PiercL11 SpwS 50 Dave's Reality 122 Chirp 13
 29Sep82 8Lga 1 :4841:15 1:44 hy 5 $\frac{1}{2}$ 120 818 712 66 $\frac{1}{2}$ 21 PiercL5 Aw6500 48 ExclusivBiddr118 DynamoDoc 8
 19Sep82 9Lga 1 :46 1:1031:364ft 8 $\frac{1}{2}$ 120 69 57 47 46 $\frac{1}{2}$ PiercL2 HcpS 78 Dave's Reality 122 Tubafor 10
 AUG 11 LGA 4F FT :47 $\frac{3}{4}$ H Aug 7 Lga 7f ft 1:28 $\frac{3}{4}$ b Aug 1 Lga 5f ft 1:01 $\frac{1}{2}$ b

Heather Ala Roni**110**Dk. b. or br. f, 1980, by Theologist—Scarlet Heather, by Cold
Command. Br., Paskey Dedomenico (Wash.).

Owner, Heather Dedomenico. Trainer, Dan Kenney.

1983. 3 2 0 0 \$20,750

1982. 4 1 1 0 \$22,467

LIFETIME (thru 1982) 4 1 1 0 \$22,467

30Jly 83 9Lga 1 $\frac{1}{8}$:4531:11 1:434ft 21 $\frac{1}{2}$ 116 23 1h 34 $\frac{1}{2}$ 513 FrazirB3 HcpS 67 ⑥StlirPrfrmr118 WindyJnny 9
 9Jly 83 9Lga 1 :4631:1111:363gd 3 $\frac{1}{2}$ 113 21 1h 1h 111 FrazirB5 HcpS 86 ⑥HthrAlaRni113 StlirPrfrmr 11
 9Jly83—Bumped at 1-2 pole.
 23Jun83 8Lga 6f :22 :4531:103m 4 117 21 $\frac{1}{2}$ 21 13 19 FrzirB5 Aw8000 83 ⑥HeathrAlaRni117 LtltlGngr 7
 23Jun83—Carried wide on turn.
 24Oct82 9Lga 1 $\frac{1}{8}$:47 1:1141:513m 9 $\frac{1}{2}$ 119 23 $\frac{1}{2}$ 2h 9131222 FrazirB13 HcpS 53 Yuma Queen 114 Tubafor 14
 30Oct82 9Lga 1 $\frac{1}{8}$:4741:1321:471m 16 119 12 11 2h 23 $\frac{1}{2}$ FrazerB2 SpwS 59 ⑥FlagDeLune119 HthrAlaRni 14
 17Sep82 3Lga 6 $\frac{1}{2}$ f :214 :4511:174ft 6 $\frac{1}{2}$ 118 1h 12 13 18 BazG11 M20000 80 ⑥HeatherAlaRoni118 Garvin 11
 28Aug82 3Lga 6f :214 :4541:111ft 12 118 65 $\frac{1}{2}$ 45 56 414 SorensnD2 Mdn 66 ⑥ThoniaFrst118 UnitdFeatre 7
 JULY 25 LGA 4F FT :46 $\frac{3}{4}$ H July 19 Lga 1m ft 1:37 $\frac{3}{4}$ h July 4 Lga 5f ft 1:02 $\frac{3}{4}$ b

Red Baron Returns**110**Ch. c, 1980, by Mateor—T.V. Return, by Flying Lark.
Breeder, O'Harrow-Vaughan (Wash.).

Owner, Vaughan Stable. Trainer, Kay Vaughan.

1983. 10 3 1 1 \$15,185

1982. 7 2 0 2 \$6,510

LIFETIME (thru 1982) 7 2 0 2 \$6,510

10Aug83 8Lga 1 $\frac{1}{8}$:4521:11 1:434ft 5 $\frac{1}{2}$ 120 12181014 612 57 $\frac{1}{2}$ MJW10 Aw8500 72 CountryBern118 Lyon'sShadw 12
 27Jly 83 7Lga 1 $\frac{1}{8}$:4721:12 1:443sy 2 $\frac{1}{2}$ 120 79 76 $\frac{3}{4}$ 57 $\frac{1}{2}$ 33 $\frac{1}{2}$ MillJW2 Aw8500 72 Lyon'sShadow117 CountryBrn 7
 14Jly 83 9Lga 1 $\frac{1}{8}$:4641:1221:451m 5 $\frac{1}{2}$ 120 1015 711 47 $\frac{1}{2}$ 11 $\frac{1}{2}$ MillsJW6 32000 73 RedBrnRtrns120 Lyon'sShdw 11
 2Jly 83 6Lga 1 $\frac{1}{8}$:4841:1321:453ft 6 $\frac{1}{2}$ 117 42 31 2h 13 MillsJW4 25000 71 RedBaronRtrns117 Predction 8
 22Jun83 6Lga 6 $\frac{1}{2}$ f :221 :4531:164sy 2 $\frac{1}{2}$ 117 34 31 $\frac{1}{2}$ 2h 2 $\frac{1}{2}$ MillsJW2 20000 84 Predcatin114 RedBaronRetrn 7
 15Jun83 6Lga 6 $\frac{1}{2}$ f :221 :4441:154ft 6 $\frac{1}{2}$ 117 67 613 79 $\frac{3}{4}$ 59 $\frac{1}{4}$ SornsnD1 25000 81 Candy Patch 120 Hot Drums 8
 3Jun83 6Lga 6 $\frac{1}{2}$ f :22 :4511:171ft 16 117 711 714 610 43 $\frac{1}{2}$ SornsnD5 25000 79 DncngDirctr120 HoHoCharlie 7
 3Jun83—Veered in, steadied at start.
 14May83 7Lga 6f :22 :45 1:094ft 9 $\frac{1}{2}$ 114 712 710 610 515 StevnsG8 40000 72 SplndorRoy120 DancgDrctor 8
 24Apr83 9YM 6f :234 :4831:17 hy3-2e124 64 65 $\frac{1}{2}$ 711 721 MlgrinT1 HcpS 37 Pic O'Morn 117 Colonel Jerry 7
 2Apr83 9YM 5f :222 :4531:013gd 5 $\frac{1}{2}$ 117 59 59 $\frac{1}{2}$ 53 $\frac{1}{2}$ 13 MgmTM7 HcpS 72 RedBarnRetrns117 ShotABid 9
 22Sep82 8Lga 6 $\frac{1}{2}$ f :223 :4621:183ft 3-2 120 74 $\frac{1}{2}$ 31 1h 12 BazeG1 20000 76 RedBaronPettrns120 C.W.Mss 8
 Aug 3 Lga 5f ft 1:00 $\frac{3}{4}$ h July 21 Lga 5f ft 1:00 $\frac{3}{4}$ h JULY 9 LGA 5F SY 1:00H

fairly evenly among the rest of the field. That seemed to be the case in this race. With one minute to post time, the tote board was as follows:

	Totals	#3 Prairie Breaker	Expected Value per Dollar Bet to Place and Show on Prairie Breaker
Odds		4—5	
Win	104,409	47,510	
Place	59,752	16,655	1.25
Show	43,936	11,950	1.19

The expected values to place and show with Longacres 16% track take, using equations (4.5) and (4.6), were then

$$\begin{aligned} \text{EX Place Prairie Breaker} &= 0.319 + 0.559 \left(\frac{47,510/104,409}{16,655/59,752} \right) \\ &\quad + \left[2.22 - 1.29 \left(\frac{47,510}{104,409} \right) \right] (0.84 - 0.829) \\ &= 1.23 + 0.02 \\ &= 1.25. \end{aligned}$$

$$\begin{aligned} \text{EX Show Prairie Breaker} &= 0.543 + 0.369 \left(\frac{47,510/104,409}{11,950/43,936} \right) \\ &\quad + \left[3.60 - 2.13 \left(\frac{47,510}{104,409} \right) \right] (0.84 - 0.829) \\ &= 1.16 + 0.03 \\ &= 1.19. \end{aligned}$$

Hence Prairie Breaker was a Dr. Z system bet to place, as well as to show.

Equations (5.4) and (5.5) suggested bets of \$155 to place and \$221 to show on Prairie Breaker:

Place bet

$$\begin{aligned} \text{Prairie Breaker} &= \left[505(0.4550) + 527(0.4550)^2 \right. \\ &\quad \left. - \left(\frac{386(0.4550)(16,655)}{(0.4550)(59,752) - (0.60)(16,655)} \right) \right] \left(\frac{59,752 - 10,000}{140,000} \right) \\ &\quad + \left[375(0.4550) + 525(0.4550)^2 \right. \\ &\quad \left. - \left(\frac{271(0.4550)(16,665)}{(0.4550)(59,752) - (0.70)(16,665)} \right) \right] \left(\frac{150,000 - 59,752}{140,000} \right) \\ &= \$155. \end{aligned}$$

Show bet

$$\begin{aligned}
 \text{Prairie Breaker} &= \left[131 + 2,150(0.4550)^2 - 1,778(0.4550)^3 \right. \\
 &\quad \left. - \left(\frac{150(11,950)}{(0.4550)(43,936) - (0.70)(11,950)} \right) \right] \left(\frac{43,936 - 6,000}{94,000} \right) \\
 &\quad + \left[86 + 1,516(0.4550)^2 - 968(0.4550)^3 \right. \\
 &\quad \left. - \left(\frac{90.7(11,950)}{(0.4550)(43,936) - (0.85)(11,950)} \right) \right] \left(\frac{100,000 - 43,936}{94,000} \right) \\
 &= \$221.
 \end{aligned}$$

However, these equations were developed assuming that there was only one bet to be made to place or show, but not both. When the two bets are on the same horse, the total amount recommended to be bet is too large and needs to be scaled down according to the following formulas:

$$\text{Optimal place bet} = \text{minimum} \left[\begin{array}{l} \text{place bet from} \\ \text{equation (5.4)} \end{array} \right] \quad (6.1)$$

$$1.59 \left(\begin{array}{l} \text{Place bet from} \\ \text{equation (5.4)} \end{array} \right) - 0.639 \left(\begin{array}{l} \text{show bet from} \\ \text{equation (5.5)} \end{array} \right) \right]$$

$$\text{Optimal show bet} = 0.907 \left(\begin{array}{l} \text{show bet from} \\ \text{equation (5.5)} \end{array} \right) - 0.134 \left(\begin{array}{l} \text{place bet from} \\ \text{equation (5.4)} \end{array} \right)$$

Hence

Optimal place bet

$$\begin{aligned}
 \text{Prairie Breaker} &= \text{minimum} \{ \$155, 1.59(\$155) - 0.639(\$221) \} \\
 &= \text{minimum} \{ \$155, \$105 \} \\
 &= \$105 \text{ and}
 \end{aligned}$$

Optimal show bet

$$\begin{aligned}
 \text{Prairie Breaker} &= 0.907(\$221) - 0.134(\$155) \\
 &= \$179.
 \end{aligned}$$

We made these bets on Prairie Breaker. When the horses were going into the starting gate, however, Junction Road acted up and it was decided to scratch him. The odds on Prairie Breaker then dropped to 3—5, and further betting was allowed for a few minutes. Track management likes to have

refunded money due to a scratch bet on other horses so their take is not diminished. Fortunately for us, the expected value per dollar bet to place and show on Prairie Breaker remained high enough to qualify it as a Dr. Z system bet. When the race began, the final tote board was as follows:

	Totals	#3 Prairie Breaker	Expected Value per Dollar Bet on Prairie Breaker
Odds		3—5	
Win	134,897	63,997	
Place	77,600	25,622	1.14
Show	57,805	18,208	1.13

As Charlie Brown might have predicted, the 53—1 long shot, Red Baron Returns, stole the race from Prairie Breaker. Mythically took third. Our payoffs were outstanding, since Prairie Breaker paid a whopping \$3.40 to place and a substantial \$2.50 to show. The \$3.40 was more than the \$3.20 Prairie Breaker would have paid to win had he won. Since he was a Dr. Z system bet, the payoff was likely to be large. When the extreme long shot, Red Baron Returns, finished in place money, Prairie Breaker’s return skyrocketed to the \$3.40. Mythically was reasonably heavily bet to show, so the show payoff on Prairie Breaker was lowered to the \$2.50. Our bets of \$105 to place and \$179 to show returned \$178.50 and \$223.75, respectively, for a profit of \$118.25. The chart of the race was as follows:

NINTH RACE

Lga

Aug. 14, 1983

1 3-16 MILES. (1:54). 46TH RUNNING OF THE LONGACRES DERBY. Purse, \$100,000-added. 3-year-olds. By subscription of \$150, which shall accompany the nomination, \$500 to pass the entry box, \$1,000 additional to start with \$100,000-added, of which \$20,000 to second, \$15,000 to third, \$10,000 to fourth and \$3,000 to fifth. All nominations, entry and starting fees to the winner. High weights preferred. Closed Friday, July 15 with 44 nominations.

Value of race, \$120,600. Value to winner, \$72,600; second, \$20,000; third, \$15,000; fourth, \$10,000; fifth, \$3,000. Mutuel Pool, \$270,302.

Last Raced	Horses	Eqt	AWt	PP	St	¼	½	¾	Str	Fin	Jockeys	Owners	Odds to \$1	
10Aug83	8Lga5	Red Baron Returns	3	113	9	8	81½	81½	8h	53½	12½	MillsJW	Vaughan Stable	53.10
31Jly 83	9Lga1	Prairie Breaker	3	124	2	6	4½	64	52	3h	24	StevensG	Pietila-Estat ofW	Ptila .75
31Jly 83	9Lga2	Mythically	3	118	3	2	31	31½	33	11	3nk	NicoloP	Mr-Mrs P J Whiting	3.95
7Aug83	9Pla4	Allowance	3	106	1	3	5h	5½	74	71	41½	MitchellGV	Osborne Farms	45.45
31Jly 83	9Lga5	Saber Ben	3	109	6	7	72½	74	6h	82	52	FrazierB	Poor Four Stable	57.75
24Jly 83	8Hol6	Lifaregal	3	117	5	5	65	41	4h	4h	6nk	PedrozaMA	Selvin-Siegel-Wellmn	7.40
10Aug83	8Lga1	Country Born	b3	111	4	1	21½	23	21½	62	71	JamesM	Loto Can, Inc	15.35
30Jly 83	9Lga5	Heather Ala Roni	3	112	8	4	1½	11½	11	2h	82½	TaketaJ	H Dedomenico	47.85
3Jly 83	9Lga2	Dynamo Doc	b3	115	7	9	9	9	9	9	9	SorensonD	RmrckStabl-E Bldsk	4.95

OFF AT 6:08. START GOOD. WON DRIVING. Time, :22¼, :46¾, 1:11, 1:37¾, 1:47¾. Track fast.

\$2 Mutuel Prices {

10—RED BARON RETURNS 108.20

3—PRAIRIE BREAKER 3.40

4—MYTHICALLY 2.90

Ch. c, by Mateor—T. V. Return, by Flying Lark. Trainer, Kay Vaughan. Bred by O’Harrow-Vaughan (Wash.).

RED BARON RETURNS, permitted to settle in stride early, gradually worked his way forward on the final turn, drove between horses in the upper stretch to run down the leaders with a rush and won going away. PRAIRIE BREAKER raced within striking distance early, was sent up along the outside going into the far turn, raced wide into the stretch and closed strongly in the final furlong. MYTHICALLY was forwardly placed from the beginning, ran down the leaders to take command briefly in the upper stretch but lacked the needed closing kick. ALLOWANCE saved ground while being outrun early, responded when settled for the drive and finished willingly. LIFAREGAL raced within striking distance early, but could not sustain his bid in the drive. COUNTRY BORN prompted the pace for six furlongs and gave way. HEATHER ALA RONI went to the front at once, saved ground while setting the pace and gave way in the drive. DYNAMO DOC was always outrun. JUNCTION ROAD FLIPPED IN THE GATE AND WAS ORDERED SCRATCHED WITH ALL WAGERS ON HIM BEING REFUNDED.

Overweight—Country Born, 1 pound; Heather Ala Roni, 2; Red Baron Returns, 3; Saber Ben, 1.
Scratched—Junction Road.

Using the Dr. Z System in Other Situations



We now turn to using the Dr. Z system when you are not at the track where the race is run. Usually the race is shown on closed-circuit TV monitors and there is local betting. However, as long as you have access to the win, place, and show mutuel pools, you can apply the Dr. Z system. We describe two such instances: piping in an important national race, such as the Belmont Stakes, which may go to twenty or more different racetracks and viewing a whole card from a nearby racetrack in a theaterlike atmosphere, as is done with New York State racing cards at the Teletrack facility in New Haven, Connecticut.

The Belmont Stakes, June 5, 1982: Other-Track Betting at Golden Gate Fields, Albany, California

The Belmont Stakes is the third and final jewel in the Triple Crown. In 1982, for the first time, betting on both the Preakness and the Belmont Stakes was allowed at several other tracks, including Golden Gate Fields in Albany, California and Los Alamitos Race Course in Los Alamitos, California. Each of these tracks had separate betting pools and betting closed just before the actual race at the home track. The race was then viewed on closed-circuit television or on the infield screen if there was one. With separate betting

pools, all the tracks paid different amounts to win, place, and show for the horses in the money. The idea of other-track betting is gaining popularity, and in the future we will probably see more and more such races.

The Belmont field included the highly touted Linkage, as well as the Kentucky Derby and Preakness winners, Gato Del Sol and Aloma's Ruler. These three horses were all ridden by their regular jockeys, Bill Shoemaker, Eddie Delahoussaye, and Jack Kaenel. The other leading contender was Conquistador Cielo, who had impressive Eastern wins but was running on only four days' rest. His regular jockey, Eddie Maple, was unable to ride because of an injury and had been replaced by Laffit Pincay, Jr. Delahoussaye, Pincay, and Shoemaker flew in from California to ride the race. It is common for top jockeys such as these to fly across the country to ride in an important race. They usually return immediately to their home track so they miss only one day's races there.

The final tote board betting amounts at Golden Gate were:

	#1	#2	#3	#4	#5	#6
Odds	4—1	80—1	60—1	9—1	30—1	10—1
Win	28,027	1,717	2,371	13,755	4,234	13,303
Place	9,311	721	1,040	6,851	2,529	7,185
Show	5,034	703	962	2,931	1,729	3,356
	#7	#8	#9	#10	#11	Totals
Odds	8—5	20—1	40—1	8—1	7—2	
Win	56,629	5,917	3,565	15,759	30,301	175,578
Place	24,353	2,598	2,035	6,512	8,653	71,788
Show	11,491	1,639	1,339	3,051	3,658	35,893

A quick scan of the tote board pointed to a possible show bet on number 11, Conquistador Cielo. From equation (4.6), the expected return on a dollar bet to show was 1.24. For different wealth levels, the optimal bets were*

Wealth level	100	500	1,000	2,500	5,000	10,000
Optimal bet	5	25	38	76	99	145

Conquistador Cielo won the race by an impressive fourteen lengths, breaking the track record at Belmont for 1½ miles on an off track. He was followed by Gato Del Sol and Illuminate, who finished third.

*These bets were computed using the equations in Tables 16.3 and 16.4.

The mutuel payoffs at Golden Gate were as follows:

11	9.80	6.80	5.60
1		6.60	4.60
		8	10.20

Compare these mutuel payoffs with those in the chart of the race at Belmont that follows:

Belmont Stakes

EIGHTH RACE
Belmont
JUNE 5, 1982

1 1/2 MILES. (2.24) 114th Running THE BELMONT STAKES (Grade I). Purse \$200,000 added. 3-year-olds. By subscription of \$100 each to accompany the nomination; \$1,000 to pass the entry box; \$2,000 to start. A supplementary nomination of \$5,000 may be made on Wednesday, June 2 with an additional \$15,000 to start, with \$200,000 added of which 60% to the winner, 22% to second, 12% to third and 6% to fourth. Colts and Geldings, 126

lbs. Fillies, 121 lbs. Starters to be named at the closing time of entries. The winning owner will be presented with the August Belmont Memorial Cup to be retained for one year, as well as a trophy for permanent possession and trophies will be presented to the winning trainer and jockey and mementoes to the grooms of the first four finishers. Closed Tuesday, February 16, 1982 with 332 nominations.

Value of race \$266,200, value to winner \$159,720, second \$58,564, third \$31,944, fourth \$15,972. Mutuel pool \$1,201,491, OTB pool \$2,248,366.

Last Raced	Horse	Eqt.	A.Wt	PP	1/4	1/2	1	1 1/4	Str	Fin	Jockey	Odds \$1
31May82 8Bel1	Conquistador Cielo	3	126	11	2 1/2	11 1/2	1hd	14	110	114	Pincay L Jr	4.10
1May82 8CD1	Gato Del Sol	3	126	1	9 1 1/2	83	51	42	21	24	Delahoussaye E	6.40
23May82 8Bel3	Illuminate	3	126	8	8hd	11	81	61 1/2	54	33 1/2	Velasquez J	11.20
15May82 8Pim2	Linkage	3	126	7	52	31	35	2hd	3 1/2	4 1/2	Shoemaker W	2.20
15May82 8Key3	High Ascent	3	126	3	41 1/2	54	22 1/2	33	4hd	55 1/2	Lovato F Jr	40.90
24May82 7Bel2	Lejoli	3	126	9	11	9hd	94	5hd	62	61 1/2	Samyn J L	23.80
24May82 7Bel1	Estoril	b	3	126	6	6 1/2	61 1/2	63	73	78	Fell J	9.20
28May82 7Bel1	Royal Roberto	b	3	126	4	10 1/2	10 1/2	72	910	912	Cordero A Jr	7.20
15May82 8Pim1	Aloma's Ruler	3	126	10	31 1/2	4 1/2	4hd	84	8hd	913	Kaenel J L	7.30
22May82 1Bel4	Anemal	3	126	2	11	23	1010	1016	10	10	Martens G	44.10
15May82 8Pim3	Cut Away	b	3	126	5	73	73	11	11	—	Bailey J D	25.70

Cut Away, Eased.

OFF AT 5:39, Start good, Won ridden out. Time, :23 3/4, :47 1/5, 1:12, 1:37 3/4, 2:03 1/5, 2:28 1/5, Track sloppy.

\$2 Mutuel Prices:	11-(K)-CONQUISTADOR CIELO	10.20	7.40	6.80
	1-(A)-GATO DEL SOL		8.00	6.40
	8-(H)-ILLUMINATE			6.40

B. c, by Mr Prospector—K D Princess, by Bold Commander. Trainer Stephens Woodford C. Bred by Iandoli L E (Fla).

CONQUISTADOR CIELO, very wide into the first turn, opened a clear advantage while racing well out in the track nearing the backstretch, continued wide while making the pace, responded readily when challenged by HIGH ASCENT, shook off that rival before going nine furlongs and drew off steadily under a hand ride. GATO DEL SOL, reserved early, moved up outside horses midway of the far turn, continued very wide into the stretch but was no match for the winner while besting the others. ILLUMINATE, badly outrun for a mile, saved ground into the stretch while rallying but lacked a further response. LINKAGE, never far back while under light restraint, rallied while racing well out in the track racing into the far turn, remained a factor to the stretch and gave way. HIGH ASCENT, well placed into the backstretch, made a run along the inside to engage CONQUISTADOR CIELO approaching the end of the backstretch, remained a factor until near the stretch but had nothing left. LEJOLI, badly outrun early, made up some ground approaching the stretch but lacked a further response. ESTORIL had no apparent excuse. ROYAL ROBERTO saved ground to no avail. ALOMA'S RULER, away alertly, was allowed to follow the leader into the backstretch and was finished at the far turn. ANEMAL, hustled to the front along the inside at the first turn, stopped badly. CUT AWAY wasn't able to keep up through the run down the backstretch and was eased during the late stages. LEJOLI raced with mud caulks.

Owners— 1, deKwiatkowski H; 2, Peters L J; 3, Humphrey G W Jr; 4, Christiana Stable; 5, Buckland Farm; 6, Peskoff S D; 7, Seeligson A A Jr; 8, Key West Stable; 9, Scherr N; 10, Pappas D J; 11, Allen H.

Trainers— 1, Stephens Woodford C; 2, Gregson Edwin; 3, Kay Michael; 4, Clark Henry S; 5, Campo John P; 6, Blusiewicz Leon; 7, Doyle A T; 8, Iselin James H; 9, Lenzini John J Jr; 10, Gullo Thomas J; 11, Jacobs Eugene.

Los Alamitos Race Course also had other-track betting on the Belmont Stakes. Their final tote board figures and payoffs help show the large differences in the public opinions in different locations.

At Los Alamitos they were as follows:

	#1	#2	#3	#4	#5	#6
Odds	5—2	99—1	99—1	11—1	40—1	8—1
Win	10,877	217	342	3,350	955	4,565
Place	4,340	116	140	1,701	438	2,507
Show	1,725	108	103	702	323	1,493

	#7	#8	#9	#10	#11	Totals
Odds	1—1	40—1	99—1	12—1	6—1	
Win	19,388	862	394	3,197	5,428	49,575
Place	7,238	263	221	1,362	1,986	20,312
Show	3,222	234	194	653	877	9,634

11	15.40	7.40	6.00
	1	4.40	4.00
		8	17.20

There was no Dr. Z system bet at Los Alamitos.

The efficient win-market hypothesis discussed in Chapter Three suggests that the win odds should have been approximately the same across all the tracks. The bettors at Belmont, however, had considerably more information than the bettors at the other tracks. They knew how the horses had been running, how the jockeys were doing, what the track conditions were, how the horses looked in the paddock and the parade to post, and so on. Therefore, we would expect (1) different odds at the different tracks and (2) the odds at Belmont to be the most accurate odds. Since the Belmont odds are the best estimate of each horse's winning probability, Dr. Z system bettors away from Belmont would actually prefer to use the Belmont Park win figures against their own track's place and show figures when looking for possible bets. This would be possible if Belmont's tote board figures were displayed over the closed-circuit televisions. For example, if you were at Los Alamitos, the following Belmont Park win figures were displayed (these are the actual final tote board figures for the on-track betting at Belmont Park, page 148):

	#1	#2	#3	#4	#5	#6
Odds	6—1	70—1	60—1	12—1	40—1	10—1
Win	94,915	8,829	9,825	51,938	15,127	60,191
	#7	#8	#9	#10	#11	Totals
Odds	9—5	18—1	25—1	7—1	5—2	
Win	231,728	35,788	22,656	86,085	189,160	806,242

These figures indicate that the Belmont Park bettors had a higher opinion of Conquistador Cielo than the bettors at the other tracks. At Los Alamitos, you could scan these win figures and the place and show pools shown at your track. These would indicate a possible place and show bet on number 11, Conquistador Cielo. The values to isolate would then be:

	#11 Conquistador Cielo	Totals	
Win	189,160	806,242	from Belmont
Place	1,986	20,312	} from Los Alamitos
Show	877	9,634	

The expected return on a place bet was then 1.70 and 1.56 on a show bet. For different wealth levels the optimal bets were then

Wealth level	100	500	1,000	2,500	5,000
Optimal place bet	9	47	94	229	294
Optimal show bet	18	84	102	154	177

Note that Belmont had Conquistador Cielo at 5—2 odds, while Los Alamitos had him at 6—1, so it would seem there existed an overlay in the win pool, as well as for place and show, at Los Alamitos. Whether to make a win bet and how much to bet are beyond the scope of this book, but the attractiveness of the betting possibility should be apparent to the reader.*

*We have since analyzed this problem. Readers with technical backgrounds might wish to refer to Hausch and Ziemba (December 1983).

*The Clout Handicap, Aqueduct,
November 12, 1981: A Visit to Teletrack,
New Haven, Connecticut*

The Teletrack facility in New Haven, Connecticut, provides a new concept in horse-race observation and wagering. Since there are no racetracks in Connecticut and many in neighboring New York, it is natural for the races in New York to be used for Connecticut betting. The facility resembles a movie theater where the races are shown live. During the year, thoroughbred races from Aqueduct, Belmont, and Saratoga, and harness races from Roosevelt and Yonkers are featured. The odds, win, place, and show pools, as well as the projected features payoffs, are flashed on the screen as the betting proceeds. Although the Teletrack pools are separate from the track's pools, they also include the bets from about 180 off-track betting shops in

START

1 3/8 MILES

FINISH

Turf Course

SEVENTH RACE

PURSE \$18,000

THE CLOUT

FOR THREE-YEAR-OLDS AND UPWARD WHICH HAVE NEVER WON TWO RACES OTHER THAN MAIDEN, CLAIMING OR STARTER. Three-year-olds, 120 lbs.; older, 122 lbs. Non-winners of a race other than maiden or claiming over a mile and a furlong since October 15 allowed 3 lbs.; of such a race since October 1, 5 lbs.

If the Stewards consider it inadvisable to run this race on the turf course it will be run on the main track at one mile and three furlongs.

ONE MILE AND THREE FURLONGS (Turf Course)

Track Record—2:14 1/5; FLUORESCENT LIGHT (4), 115 lbs.; November 7, 1978.

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	WALTER HAEFNER Blue and White Stripes, Blue Sleeves, White Chevrons, Blue Cap IVANOFF (Ire.) 117 Ch.c.4, Connaught—True Rocket by Roan Rocket	V. J. NICKERSON	6-1 JEAN-LUC SAMYN
2	BROWN BADGETT Brown and Green Diamonds, Green Sleeves, Brown Hoop, Green Cap, Brown Visor NATOMAS BREEZE *112 Ch.c.4, Secretariat—Spanish Breeze by Windy City 2nd	WAYNE MURTY	4-1 RICHARD MIGLIORE
3	CALUMET FARM Devil's Red, Blue Collar, Two Blue Hoops on Sleeves, Blue Cap COME RAIN OR SHINE 117 Ch.c.4, Nijinsky 2nd—Sign Of The Times by Francis S.	J. M. VEITCH	3-1 ANGEL CORDERO, JR.
4	ARCHIE R. DONALDSON Maroon, Light Blue Ball, Blue Sleeves, Two Maroon Hoops, Maroon and Blue Cap THE MESSENGER 117 Dr.b or br.c.4, Big Spruce—Taratan by Summer Tan	K. E. JENSEN	6-1 LARRY SAUMELL
5	AUGUSTIN STABLES White and Green Halves, White Sleeves, Green Cap STATE OF SIEGE 115 Ch.a.3, Damascus—Parbatesian by Herbager	J. E. SHEPPARD	20-1 DARYL MONTOYA
6	CAESAR P. KIMMEL Orange, Black Cross Sashes, Black Diamonds on Sleeves, Orange and Black Cap ON THE GRASS *112 Ch.c.4, Vaquero Noble—Bellevarde by Herbager	J. J. TONER	15-1 Constantino Hernandez
7	SANTO LUCA Red, Blue Diamond Hoop, Blue Diamonds on Sleeves, Red Can, Blue Tassel SANTO'S JOE 119 Gr.c.4, Northern Jove—Maria L. by Mystic 2nd	OWNER	5-1 EDDIE MAPLE
8	ARCADY STABLE Kelly Green, Light Green Sash and "A," Kelly Green and Light Green Halfed Sleeves, Light Green Can ICEBOX CAKE 112 Gr.f.3, Irenegade—One to Grow On by Lucky Debonair	F. I. WRIGHT	15-1 JEFFREY FELL
9	STEPHEN C. CLARK, JR. Yellow, Blue Braid, Sleeves and Cap COUNTRY CORNER *112 B.g.4, One For All—Dance by Native Dancer	S. WATTERS, JR.	10-1 VICTOR MOLINA
10	MRS. DION K. KERR Light Blue, Green Sash, Green Hoop on Sleeves, Blue Cap ERIN'S TIGER 115 Ch.c.3, Terrible Tiger—Irish Exchange by Swaps	R. NIEMINSKI	6-1 CASH ASMUSSEN

Change of Equipment: ICEBOX CAKE—Blinkers On.

SCRATCHED—DANGEROUS MISSION, LOTHIAN, KITCHEN COMMANDER, BEYOND RECALL, AIRBUS

Connecticut. The total handle is small, averaging about \$400,000 per day and reaching as high as \$650,000 on Saturdays. The take at Teletrack was 17% plus 10¢ breakage, for a total commission of about 20%. The track take in New York was 14%. Except for the small pools and relatively high commission, the facility allows for easy adaptation of the Dr. Z system. The flashing pools let you stand near or even in a betting line, so a bet can be made very close to post time.

I was in the East giving lectures in the finance seminars at New York and Yale Universities on efficient market ideas in horse-racing betting markets. I took the opportunity to visit Teletrack, which like Yale is in New Haven. That afternoon, November 12, 1981, races from Aqueduct were being featured.

Come Rain or Shine, number 3 in the seventh race, was a 3—1 morning-line favorite ridden by Angel Cordero, Jr., the leading jockey at Aqueduct, with an in-the-money percentage of 57%. He was a Dr. Z system bet throughout the betting period. With two minutes to post time the betting pools were

	Totals	#3 Come Rain or Shine
Odds		5—2
Win	10,463	2,313
Show	837	115

The expected value per dollar bet to show on Come Rain or Shine was thus 1.14, as may be calculated using equation (4.4). Since the show pools were so small, I decided to be cautious and make a flat bet of \$20. The show pools of \$115 and \$837 were so small that one or two sizable bets would greatly affect the show odds. During the final betting, the win odds on Come Rain or Shine rose to 3—1. My bet and the others had lowered the expected value per dollar bet to show on Come Rain or Shine to 1.12—1. The final mutuels were

		#3				
Totals		Come Rain or Shine	3	8.00	3.80	3.40
Odds		3—1				
Win	12,032	2,471		2	3.20	2.60
Show	1,312	174				
					4	7.00

Come Rain or Shine easily won the race and paid \$3.40 to show. Hence my \$20 bet produced a profit of \$14. The payoffs at Teletrack are shown above; the chart of the race is on page 151. Notice that these payoffs were different and that Come Rain or Shine was not a Dr. Z system bet to show at Aqueduct.

SEVENTH RACE

Aqueduct

NOVEMBER 12, 1981

1 3/8 MILES. (TURF) (2.14 1/5) ALLOWANCE. Purse \$18,000. 3-year-olds and upward, which have never won two races other than Maiden, Claiming or Starter. Weights, 3-year-olds, 120 lbs. Older, 122 lbs. Non-winners of a race other than maiden or claiming over a mile and a furlong since October 15, allowed 3 lbs. Of such a race since October 1, 5 lbs.

Value of race \$18,000, value to winner \$10,800, second \$3,960, third \$2,160, fourth \$1,080. Mutuel pool \$123,881, OTB pool \$128,000. Exacta Pool \$186,984. OTB Exacta Pool \$174,465.

Last Raced		Horse	Eqt.	A.	Wt.	PP	1/4	1/2	3/4	1	Str	Fin	Jockey	Odds \$1
11Oct81	9Bel 5	Come Rain or Shine	b	4	117	3	5 1/2	5 1/2	4 1/2	2 1/2	1 1/2	1-1 1/2	Cordero A Jr	2.10
20Oct81	8Lrl 8	Natomas Breeze		4	112	2	8-3	8 1/2	7-1 1/2	4 1/2	4 1/2	2 1/2	Migliore R-5	1.80
6Aug81	9Sar 7	The Messenger		4	117	4	6-1 1/2	6-4	5-1	3hd	3-3	3 1/2	Saumell L	29.40
30Oct81	7Aqu 5	Santo's Joe	b	4	119	7	1 1/2	2-1	1-1 1/2	1-2	2-2	4 1/2	Maple E	7.60
29Oct81	7Aqu 6	Country Corner		4	112	9	7-4	7 1/2	8 1/2	7-6	5-3	5-3 1/2	Molina V H-5	17.40
11Oct81	9Bel 9	Ivanoff		4	117	1	9	9	9	6-1	6-3	6-5	Samyn J L	6.30
8Oct81	7Bel 4	Icebox Cake	b	3	114	8	2-1 1/2	3-1 1/2	3 1/2	5-2	7-12	7-16	Fell J	10.90
23Oct81	9Med 3	State of Siege	b	3	115	5	3-3	4-3	6-2	8	8	8	Montoya D	27.20
25Oct81	5Aqu 5	On the Grass	b	4	112	6	4-4	1-2	2-2	-	-	-	Hernandez C-5	17.50

On the Grass, Bolted.

OFF AT 3:27 EST. Start good, Won driving. Time, :23, :47 2/5, 1:15, 1:41 3/5, 2:08, 2:20 4/5, Course firm.

\$ 2 Mutuel Prices:

3- COME RAIN OR SHINE.....	6.20	3.00	2.40
2- NATOMAS BREEZE.....		2.80	2.20
4- THE MESSANGER.....			5.80

\$2 EXACTA 3-2 PAID \$14.40.

Ch. c. by Nijinsky II-Sign of the Times, by Francis S. Trainer Veitch John M. Bred by Calumet Farm (Ky).

COME RAIN OR SHINE, reserved early, rallied racing into the far turn, moved through inside SANTO'S JOE to take over near the final furlong and proved clearly best. NATOMAS BREEZE, outrun early, moved up outside horses approaching the end of the backstretch, continued wide into the stretch and was going well at the finish. THE MESSANGER rallied racing into the far turn, moved to the inside for the drive and continued on with good energy. COUNTRY CORNER failed to seriously menace with a mild rally. INVANOFF moved within striking distance at the far turn but lacked a late response. ICEBOX CAKE tired badly. STATE OF SIEGE tired badly. SANTO'S JOE gained a clear lead when ON THE GRASS bolted, made the pace into the stretch while racing well out in the course but had nothing left. ON THE GRASS moved away to a clear lead while bearing out approaching the second turn and bolted entering the backstretch.

Owners- 1, Calumet Farm; 2, Badgett B; 3, Donaldson A R; 4, Luca S; 5, Clark S C Jr; 6, Haefner W; 7, Arcady Stable; 8, Augustin Stables; 9, Kimmel C P.

Overweight: Icebox Cake 2 pounds.

Scratched- Dangerous Mission(26Oct81 2Aqu 1); Lothian(14Sep81 6Bel 2); Kitchen Commander(7Nov81 5Aqu 5); Erin's Tiger (30Oct81 7Aqu 8); Beyond Recall(3Nov81 6Aqu 6); Airbus(29Oct81 7Aqu 5).

CHAPTER 8

A Great Race: John Henry versus Lemhi Gold in the Oak Tree Invitational at Santa Anita, October 31, 1982



The Field

It was a classic matchup: John Henry versus Lemhi Gold. John Henry had won the Oak Tree the previous two years enroute to garnering horse-of-the-year honors in 1981. The future of the seven-year-old gelding was clouded because a minor ankle injury had kept him on the sidelines for most of the 1982 season. Running recently at Santa Anita in the Burke Handicap as a warmup, he had managed a credible race, but finished fourth, out of the money. He was the sentimental favorite of the record 55,031 fans, yet the fact that he had won only one of his last four races, and that on a disqualification, tempered their enthusiasm. He had his usual jockey, the great Bill Shoemaker. Was he ready? Lemhi Gold, on the other hand, was coming extraordinarily sharp after demolishing the best horses on the East coast in the Marlboro Cup and the Jockey Cup Gold Cup at Belmont. He was also returning to the scene of one of his greatest triumphs, his victory over Perrault in the San Juan Capistrano Invitational in April (see pages 301–310 for a discussion of this race). Chris McCarron, who rode Lemhi Gold in the Capistrano, was in the irons again for the Oak Tree. A convincing win would likely give the four-year-old horse-of-the-year honors for 1982.


As was to be expected, the betting was heavy, especially on the two top choices but also on other strong horses in the field, such as Pelerin and Craelius. There were outstanding Dr. Z system bets to place and show on John Henry. The discussion of these bets focuses on the evolution of the odds, betting pools, and the expected value of various bets as post time

approached. It is in this fashion that we suggest you approach the Dr. Z system, always watching the board from about six minutes to post time until you actually bet with about a minute or two to go. Your task is to watch the board and let the expert handicappers establish the win odds.

As we discussed in Chapter Three, on average, these odds closely represent the true probability of each horse's winning. So you need not worry whether Lemhi Gold or John Henry is the better horse. You are simply looking for a good bet. The discussion of this race also gives us a good opportunity to consider three important aspects of the mutuel payoffs: (1) how the payoffs are calculated, (2) the effect on these payoffs of which horses finish in the money, and (3) the effect on these payoffs of breakage.

Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.



Trackman, Warren Williams

SANTA ANITA PARK

Selections Made for Fast Track

TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
8 JOHN HENRY LEMHI GOLD CRAELIUS	JOHN HENRY LEMHI GOLD CRAELIUS	LEMHI GOLD JOHN HENRY CRAELIUS	JOHN HENRY LEMHI GOLD MAIPON	LEMHI GOLD JOHN HENRY PELERIN	JOHN HENRY LEMHI GOLD CRAELIUS	19 16 3

ANALYST'S

Santa Anita Comment

EIGHTH RACE

- 1—Lemhi Gold
- 2—John Henry
- 3—Craelius

LEMHI GOLD returns home after a very successful Eastern invasion where he accounted for several prestigious races in New York and is in line for Horse of the Year honors, but not until he gets past last year's top horse, JOHN HENRY. These two warriors engage in their first meeting and it could result in one of the best features of the season. LEMHI GOLD has developed by leaps and bounds during the fall and must be given the edge over the comebacking JOHN HENRY. The latter had his outing in the Burke, a race he obviously needed and, had to give chunks of weight away to his rivals. He's much better prepared today. CRAELIUS is coming to around very nicely now, running second in the Burke, and had a :59 2/5 work Thursday. PELERIN can't be discounted off one dull effort.



EXACTA RACE

EIGHTH RACE THE OAK TREE \$300,000

For three-year-olds and upward. By Invitation, with no nomination or starting fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, 18,000 to fourth and \$6,000 to fifth. Three-year-olds, 122 lbs.; older, 126 lbs. A trophy will be presented to the owner of the winner.

OAK TREE RECORD—CZAR ALEXANDER (Cordero) 1969 2:23²/₅

Course Record—FIDDLE ISLE (5) 124 March 21, 1970 2:23

MAKE SELECTIONS BY NUMBER
OWNER

PROBABLE ODDS
JOCKEY

1	Doherty & Snowden	Charles Whittingham	4
	Black, green sash, sleeves and cap	Laffit Pincay, Jr.	
	PELERIN (Fr)	126	
	B.h. '77, Sir Gaylord—Padrona, by St. Paddy		
	Breeder—Sir Philip Oppenheimer (France)		
2	Mrs. Howard B. Keck	Charles Whittingham	8
	Blue, coral pink hoop, sleeves and cap	Ray Sibille	
	CRAELIUS	122	
	B.c. '79, Avatar—Nas-Mahal, by Nasrullah		
	Breeder—Howard B. Keck (Kentucky)		
3	Naji Nahas	Jean-Pierre Dupuis	30
	Red, royal blue sleeves, red and blue cap	Alain Lequeux	
	BUCHANETTE	119	
	B.f. '79, Youth—Duke's Little Gal		
	Breeder—Nelson B. Hunt (Kentucky)		
4	Aaron U. Jones	L. S. Barrera	6/5
	White, red cross sashes, red bar on sleeves, white and red cap	Chris McCarron	
	LEMHI GOLD	126	
	Ch.c. '78, Vaguely Noble—Belle Marie		
	Breeder—Owner (Kentucky)		
5	Walter Harris	Eldon Hall	30
	Yellow, black stripes, yellow and black "HHH" on white ball on back, yellow cap	Fernando Toro	
	REGALBERTO	126	
	B.c. '78, Roberto—Every Evening, by Roi Dagobert		
	Breeder—Red Oak Farm (Florida)		
6	Dotsam Stable	Ronald McAnally	7/5
	Brown, blue hoop, blue bar on sleeves, brown and blue cap	William Shoemaker	
	JOHN HENRY	126	
	B.g. '75, Ole Bob Bowers—Once Double		
	Breeder—Golden Chance Farm, Inc. (Kentucky)		
7	C. L. Hirsch	Warren Stute	30
	Black, gold diamonds on sleeves, gold cap	Marco Castaneda	
	MAIPON (Chi)	126	
	Ch.h. '77, Tantoul—Doninda, by Cardinal 2nd		
	Breeder—Haras Dadinco (Chile)		

JOCKEY STANDINGS

(Through Saturday, October 30, 1982)

Jockey	Mts.	1st	2nd	3rd	Win Pct.	In Money Pct.
Laffit Pincay, Jr.	156	31	21	22	19.8	47.4
Patrick Valenzuela	147	26	22	15	17.7	42.9
Sandy Hawley	130	22	22	14	16.9	44.6
Ray Sibille	160	21	12	20	13.1	33.1
Chris McCarron	116	20	16	17	17.2	45.7
Eddie Delahoussaye	126	17	14	20	13.5	40.5
Kenny Black	102	17	7	14	16.7	37.3
Terry Lipham	95	12	6	7	12.6	26.3
Darrel McHargue	89	10	11	3	11.2	27.0
Marco Castaneda	128	6	15	12	4.7	25.8
William Shoemaker	75	6	12	12	8.0	40.0
Donald Pierce	53	6	6	4	11.3	30.2

8th Santa Anita



1 1/2 MILES. (TURF). (2.23) 14th Running of THE OAK TREE INVITATIONAL (Grade I). Purse \$300,000. (Weight for age). 3-year-olds and upward. By invitation, with no nomination or starter fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. Weights, 3-year-olds, 122 lbs.; older, 126 lbs. The Oak Tree Racing Association will invite a representative field of horses to compete. The field will be drawn by the closing time of entries. A trophy will be presented to the owner of the winner. Invitations Thursday, October 21, 1982.

*Pelerin

Own.—Doherty & Snowden

126

B. h. 5, by Sir Gaylord—Padrona, by St Paddy
Br.—Oppenheimer Sir P (Fra) 1982 3 0 1 0 \$8,000
Tr.—Whittingham Charles 1981 6 4 0 0 \$172,007
Lifetime 19 5 2 0 \$229,996 Turf 19 5 2 0 \$229,996

17Oct82-8SA	1¼④:4711:3431:583fm	2½ 122	66½ 66 66½ 65½	PincayLJr³ C F Brk H 89	Mehmet, Craelius, It's the One	7
8Oct82-8SA	1⅝④:4611:10 1:462fm*6-5	117	87 65½ 53½ 2nk	Pincay L Jr³ Aw40000	95 Tell Again, Pelerin, Dare You II	8
6Sep82-7Dmr	1⅞④:4741:1131:422fm	4 120	810 811 812 74½	Pincay L Jr² Aw32000	92 DareYouII,GoldenFlak,RustyCnyon	8
4Oct81♦4Longchamp(Fra)	a1½ 2:351sf	33 130	④ 1721 HideE	Arc de Triomphe (Gr1)	Gold River, Bikala, April Run	24
6Sep81♦5BadenBaden(Ger)	a1½ 2:273gd*7-5	130	④ 12 StrkG	GrrsrPr vn Bdn (Gr1)	Pelerin, Hohritt, Maivogel	8
25Jly81♦4Ascot(Eng)	1½ 2:352gd	7½ 133	④ 511 TylrB	KnG Geo VI-Q Elz (Gr1)	Shergar, Madam Gay, Fingals Cave	7
19Jun81♦2Ascot(Eng)	1½ 2:381fm	7 124	④ 13 TaylorB	Hardwick (Gr2)	Pelerin, Light Cavalry, Lancastrian	9
7May81♦2Chester(Eng)	a1⅝ 2:584gd*7-5	130	④ 11½ TaylorB	Ormonde (Gr3)	Pelerin, Billbroker, Shaftsbury	5
11Apr81♦4Newbury(Eng)	1½ 2:441sf	16 120	④ 1hd TaylorB	John Porter (Gr2)	Pelerin, Cracaval, Shining Finish	9
20Aug80♦4York(Eng)	1½ 2:344gd	11 119	④ 413 Reid J	Grt Voltgeur (Gr2)	Prince Bee, Light Cavalry, Saviour	5
Oct 28 SA ④ 5f fm 1:00 h (d) Oct 23 SA ④ 3f fm :36 h (d) Oct 15 SA ④ 4f fm :481 h (d) Oct 4 SA ④ 6f fm 1:153 h (d)						

Craelius

Own.—Keck Mrs H B

122

B. c. 3, by Avatar—Nas—Mahal, by Nasrullah
Br.—Keck H B (Ky) 1982 11 4 5 0 \$142,525
Tr.—Whittingham Charles 1981 2 M 0 0 \$425
Lifetime 13 4 5 0 \$142,950 Turf 7 2 4 0 \$95,775

17Oct82-8SA	1 1/4	④:4711:3431:583fm	13	114	41 1/2	31 1/2	2hd	2hd	McCrrnCJ4 C F Brk H 94	Mehmet, Craelius, It's the One	7
30Oct82-8SA	1 1/8	④:46 1:1011:461fm*9-5e	118	88 1/2	85 1/2	33	22 1/2	ShomkrW5	Volante H 93	Lamerok, Craelius, Sari's Dreamer	9
3Sep82-8Dmr	1 1/8	:461 1:101 1:414ft	*3-2e	117	86	62 1/2	42 1/2	1nk	ShoemkerW4 El Cajon 91	Craelius, Poley, Kerlan	10
22Aug82-8Dmr	1 1/8	④:4631:1111:49 fm	5 1/2	e116	119	82 1/2	43 1/2	73 1/2	ShmkrW9 Dmr Dby H 89	GiveMStrngth,WtrBnk,TkThFloor	13
8Aug82-9Dmr	1	④:4641:1111:353fm	*1	116	53 1/2	31 1/2	2hd	2 1/2	ShmrW7 La Jla Mle H 94	TakeTheFloor,Craelius,SwordBlade	8
8Aug82—Run in two divisions, 8th & 9th races.											
21Jly82-9Dmr	7 1/2	f④:223 :4621:304fm	*1	114	88	85 1/2	5 1/2	12 1/2	ShomkrW6 Oceanside 85	Crelus,TkeTheFloor,SwingTillDwn	8
21Jly82—Run in two divisions, 8th & 9th races.											
8Jly82-8Hol	1 1/8	④:4621:1021:403fm	3 1/2	e114	64 1/2	52 1/2	1 1/2	21	Shoemaker W7 Wstwd 95	Sun Worship, Craelius, Ask Me	11
26Jun82-8Hol	1 1/8	:463 1:102 1:464ft	6	113	99	89	826	828	HawleyS1 Silvr Scrn H 67	Journey at Sea, Cassalera,Guachan	9
26May82-9Hol	1 1/8	④:4621:1111:421fm*3-5	120	42 1/2	1 1/2	1 1/2	12		McCarronCJ8 Aw22000	88 Craelius, SwingTillDawn,Reconfirm	8
16May82-4Hol	1 1/8	:472 1:114 1:421ft	*1	114	1hd	1hd	12	15	McCarron C J3 Mdn 84	Crelus,Pleztobefirst,SlickNSneky	10
● Oct 28 SA ④ 5f fm :592 h (d) Oct 23 SA ④ 3f fm :36 h (d) Oct 14 SA ④ 5f fm 1:013 h (d) Sep 21 SA 6f ft 1:13 h											

*Buchanette

Own.—Nahas N

119

B. f. 3, by Youth—Duke's Little Gal, by Duke of Dublin
Br.—Hunt N B (Ky) 1982 9 2 1 1 \$47,944
Tr.—Dupuis Jean-Pierre Turf 9 2 1 1 \$47,944
Lifetime 9 2 1 1 \$47,944

18Oct82-5StCloud(Fra)	a1 1/8	2:274sf	7 1/2	121	④	1hd	DbrcqG	⑥Px de Flore (Gr 3)	Buchntt,DoublingTm,UnknownLdy	13
12Oct82-4Longchamp(Fra)	a1 1/4	2:192sf	2 1/2	120	④	44 1/2	DbrcqG	Px du Ranelagh	WelshTerm,AlfredsChoic,Tompkins	7
27Sep82-5MLaffitte(Fra)	a1 1/4	2:091gd	15	113	④	4nk	KsssJL	La Cpe d'Mifftte(Gr3)	Coquelin,ByllytheKid,BeMyNative	13
13Sep82-5Evry(Fra)	a1 1/2	2:392gd*6-5	120	④	2nk	DbrcqG		Px Mrice de Nexn	Rubino, Buchanette, Blau	7
21Aug82-5Deauville(Fra)	a1 1/8	3:011gd	9	120	④	12	DbrcG	⑥Px de Pomone(Gr2)	Zalataia, Akiyda, April Run	13
2Aug82-5Vichy(Fra)	a1 1/2	2:35 gd	5	111	④	45 1/2	KsssJL	Gr Px de Vchy(Gr3)	Karkour, No Attention, Palikaraki	12
27Jun82-2Longchamp(Fra)	a1 1/4	2:102gd	4 1/2	*123	④	33 1/2	SmniH	⑥Px de Milleret(Gr2)	Grease, Parannya, Buchanette	7
13Jun82-4Chantilly(Fra)	a1 1/8	2:164sf	21	128	④	68 1/2	SmniH	⑥Px de Diane(Gr1)	Harbour, Akiyda, Paradise	14
16May82-1Longchamp(Fra)	a1 1/8	2:191gd	4	123	④	12	DbrcG	⑥Px La Ce(Mdn)	Buchnette,LuckyProspector,Shnky	9

Lemhi Gold

Own.—Jones A U

126

Ch. c. 4, by Vaguely Noble—Belle Marie, by Candy Spots

Br.—Jones A U (Ky)

Tr.—Barrera Lazaro S

Lifetime 18 8 3 1 \$1,110,445

1982 11 6 2 1 \$1,060,375

1981 7 2 1 0 \$50,070

Turf 7 5 1 0 \$480,305

90Oct82-8Bel	1½	473	2:04	2:311ft	2½	126	28	14	15	14½	McCrrCJ2	J C Gld Cp	64	LmhiGold,SilvrSuprm,ChristmsPst	10
18Sep82-8Bel	1¼	473	1:36	2:01 ft	7½	115	31	11	15	18½	VsqzJ2	Mrlbro Cup H	93	LemhiGold,SilverSuprem,PirofDucs	8
29Aug82-8AP	1¼	462	1:35	1:584fm	3½	126	85½	52½	44½	45½	McCrrCJ5	Bud Million	120	Perrault, Be My Native, Motavato	14
7Aug82-8Sar	1½	472	1:11	1:474ft	5½	117	47	45	56½	45½	McCrrnCJ1	Whitney H	90	Silver Buck,Winter'sTale,TapShoes	6
10Jly82-8Bel	1½	491	2:01	2:26 fm	*1	126	13	1½	1hd	1nk	McCrrCJ2	SwordDncr	94	Lemhi Gold, Erins Isle, Field Cat	5
31May82-8Hol	1½	492	2:01	2:251fm	*3-5	123	32	3½	1hd	22½	Guerra WA6	Hol Inv H	91	Exploded, Lemhi Gold, The Bart	6
18Apr82-8SA	a1½	46		2:453fm	3	121	43½	1hd	12½	17	GurrWA4	S J Cp Iv H	99	Lemhi Gold, Exploded, Perrault	9
13Mar82-8SA	1½	484	2:02	2:272gd	2½	119	12½	12½	15	15	GuerrWA4	Sn Mrno H	78	LemhiGold,Exploded,ChnceyBidder	8

13Mar82—Run in two divisions, 8th & 9th races.

25Feb82-8SA 1½ 464 1:11 1:48 fm*8-5 113 42 41½ 1½ 11½ Guerra W A8 Aw35000 87 LemhiGold,Fingal'sCave,Essenbee 10

15Feb82-8SA 1½ 462 1:10 1:41 ft 3½ 114 43 31½ 33½ 31½ Guerra WA1 El Monte 95 WoodlandLad,SirDncr,LemhiGold 10

Oct 28 SA ① 5f fm 1:013 b (d) ● Oct 23 SA ① 5f fm :593 h (d) Oct 6 Bel 5f ft 1:022 b

Sep 29 Bel 5f ft :591 h

Regalberto

Own.—Harris W

126

B. c. 4, by Roberto—Every Evening, by Roi Dagobert

Br.—Red Oak Farm (Fla)

Tr.—Hall Eldon

Lifetime 30 10 9 5 \$346,400

1982 9 3 2 3 \$128,070

1981 13 6 2 1 \$163,200

Turf 9 2 2 2 \$76,625

100Oct82-8BM	1	①:4621:1031:36 fm*8-5	123	32	45	66	87½	Toro F9	Mrks Plce H	92	Silveyville,MountainMrine,Cinnpo	10
6Sep82-8Dmr	a1¼	:463 1:344 1:57 ft	14 119	11½	11	2hd	22	Toro F9	Dmr Inv H	90	Muttering, Regalberto, Exploded	9
26Aug82-8Dmr	1½	①:4921:13 1:432fm	14 119	21	2½	2hd	12	Toro F2	Aw30000	92	Regalberto, Island Whirl, Monarch	6
11Jly82-11Pln	1½	:47 1:11 1:51 ft	*3-5 125	42	43½	2½	24½	AndrsJR1	Alamedan H	76	Sir Optimist, Regalberto, Kilty	9
27Jun82-8GG	1½	:461 1:10 1:502ft	*6-5 123	47	46	31½	32½	SrnsD2	⑤Citatn Inv H	78	SenstionlGuy,HllowdEnvoy,Rglbrto	8
6Jun82-8GG	1¾	①:4831:3822:163fm	6½ 117	2hd	11	3½	3½	SornsonD6	Rlng Grn H	84	DonRoberto,CptinGenerl,Reglbrto	11
31May82-8GG	1½	①:4841:1221:441fm	*4-5 123	32	32	31	31½	SorensonD5	Nor Iva H	79	SensationalGuy,JunBrrer,Reglbrto	5
17Mar82-8GG	1½	:472 1:114 1:432sy	2½ 123	43	42	1hd	14½	SrnsnD4	⑤Sky SI Iv H	86	Reglbrto,ExcitivCounsI,PlsntPowr	6
6Mar82-6GG	1	:463 1:103 1:352ft	*1-2 117	69½	43½	3½	11½	Sorenson D3	Aw17000	91	Reglbrto,KobukCountry,Foyt'sAck	7
18Sep81-11Bmf	1½	:452 1:093 1:412ft	*2-3 124	32½	1hd	11½	14	Baze R A1	Sn Mteo H	92	Regalberto, Chiaroscuro, Silveyville	6

Oct 29 SA 5f ft 1:00 h

● Oct 23 BM 1 ft 1:37 h

● Oct 16 BM 5f ft :584 h

Oct 9 BM 3f ft :36 h

John Henry

Own.—Dotsam Stable

126

B. g. 7, by Ole Bob Bowers—Once Double, by Double Jay

Br.—Golden Chance Farm Inc (Ky)

Tr.—McAnally Ronald

Lifetime 66 30 12 7 \$3,379,110

1982 3 1 0 1 \$356,300

1981 10 8 0 0 \$1,798,030

Turf 37 21 8 4 \$2,212,962

170Oct82-8SA	1¼	471	1:34	3:1583fm	*4-5	129	31½	42	42½	41½	ShomkrW6	C F Brk H	92	Mehmet, Craelius, It's the One	7
28Mar82-8SA	1½	462	2:00	2:24 fm	*1-2	126	33	33	43½	34½	ShoemkrW3	Sn Ls Ry	90	Perrault, Exploded, John Henry	5
7Mar82-8SA	1¼	45	1:34	2:159 ft	*6-5	130	913	51½	2½	2no	Shoemaker W9	S A H	94	†Perrault, John Henry, It'stheOne	11

7Mar82—Placed first through disqualification

6Dec81-8Hol	1½	49	2:03	2:264fm	*2-5	126	12	11	3½	42	ShomkrW5	Hol Trf Cp	84	ProvidntilII,QuntoConqur,Goldiko	10
8Nov81-8SA	1½	472	1:59	3:2232fm	*2-5	126	1½	1½	2hd	1nk	ShoemkrW4	Oak Tree	98	John Henry, Spence Bay, The Bart	7
10Oct81-8Bel	1½	48	2:02	1:282ft	*3	126	42½	21	11½	1hd	ShomkrW8	J C Gld Cp	78	John Henry, Peat Moss, Relaxing	11
30Aug81-6AP	1¼	501	1:42	2:073sf	*1e	126	86½	56	31	1no	ShmkrW12	Arl Million	—	John Henry, The Bart, MadamGay	12
11Jly81-8Bel	1½	494	2:03	2:264fm	*1-3	126	31½	11	11½	13½	ShmkrW3	Swd Dancer	90	John Henry,PassingZone,PeatMoss	5
14Jun81-8Hol	1¼	453	1:34	4:2002ft	*6-5	130	66½	65½	46½	42½	PcLJr7	Hol Gd Cup H	86	†Ctermn,ElevnStitchs,SuprMomnt	10
17May81-8Hol	1½	511	2:04	2:274fm	*2-5	130	2½	2½	1½	1½	Pincay LJr5	Hol Inv H	81	John Henry, Caterman,GalaxyLibra	7

Oct 26 SA 6f ft 1:141 b

● Oct 16 SA 3f ft :342 b

Oct 10 SA ① 1½ fm 1:47 h

Oct 5 SA 1½ ft 1:522 h

***Maipon**

Own.—Hirsch C L

126

Ch. h. 5, by Tantoul—Doninda, by Cardanil II

Br.—Haras Dadinco (Chile)

Tr.—Stute Warren

Lifetime 23 6 6 4 \$173,854

1982 11 2 4 1 \$128,900

1981 5 1 2 0 \$10,778

Turf 19 6 5 4 \$171,680

22Oct82-8SA	1½	461	1:10	1:461fm	3½	120	22	22½	2½	1½	McHrgueDG6	Aw40000	96	Maipon,Ptti'sTriumph,RustyCnyon	7
10Oct82-8SA	a6½f	422		4:431:134fm	7½	122	44½	32	42½	22½	McHrgueDG6	Aw40000	87	Shagbark, Maipon, J. D. Quill	8
26Aug82-8Dmr	1½	492	1:13	1:432fm	3½	119	46	54	42½	44½	ShoemkerW1	Aw30000	87	Regalberto, Island Whirl, Monarch	6
15Aug82-8Dmr	1½	484	1:12	1:482fm	20	117	1½	32	53	65½	McHrguDG7	E Read H	91	Wickerr, Spence Bay, Perrault	7
6Aug82-8Dmr	1½	491	1:13	1:43 fm	*8-5	118	41½	31½	32	21½	McHargue D G1	Hcp0	93	Wild Surf, Maipon, Buen Chico	6
20Jun82-8Hol	1½	461	1:09	4:1401fm	58	115	53½	53½	31½	1no	McHrguDG5	Inglwd H	98	Maipon, Spence Bay, Wickerr	11
12Jun82-5Hol	1½	48	1:11	4:1471fm	4½	115	45	42	2½	2½	Toro F1	Aw35000	93	Tell Again, Maipon, Le Duc de Bar	6
22May82-5Hol	1½	472	1:11	1:404fm	15	115	53½	53½	62½	42½	Toro F2	Aw40000	93	CaptainNick,PirteLw,Ptti'sTriumph	8
7May82-8Hol	1½	46	1:10	2:1413ft	7	115	2½	2hd	35½	69½	McHrgueDG4	Aw35000	77	Haughty But Nice, A Run, Baltanas	6
25Apr82-7Hol	1½	471	1:10	3:1404fm	4½	115	31½	42½	31½	33½	McHrgueDG5	Aw35000	91	Captain Nick, Bold East, Maipon	9

Oct 28 SA 5f ft :592 h

Oct 19 SA 5f ft 1:013 h

Oct 14 SA ① 1½ fm 1:563 h (d) ● Oct 8 SA 1 ft 1:383 h

The Evolution of the Odds

The tote board was as follows:

	#4 Lemhi Gold	Expected Return per Dollar Bet on Lemhi Gold	#6 John Henry	Expected Return per Dollar Bet on John Henry	Totals
With thirteen minutes to post time					
Odds	1—1		6—5		
Win pool	65,479		55,997		158,188
Place pool	31,689	Less than 1	11,471	1.42	61,500
Show pool	9,590	1.04	3,589	1.61	27,681
With six minutes to post time					
Odds	1—1		3—2		
Win pool	107,579		84,224		253,450
Place pool	38,062	Less than 1	17,086	1.30	87,180
Show pool	12,576	1.15	5,327	1.61	43,988
With two minutes to post time					
Odds	1—1		6—5		
Win pool	134,946		116,897		327,850
Place pool	41,809	Less than 1	22,037	1.29	103,162
Show pool	18,943	1.08	8,667	1.51	59,641
With one minute to post time					
Odds	1—1		6—5		
Win pool	155,771		134,642		374,383
Place pool	43,616	0.95	25,381	1.24	112,130
Show pool	24,618	1.03	10,917	1.45	69,772

Throughout the betting period, John Henry, horse number 6, remained an outstanding place and show bet with expected values way above the 1.14 cutoff for Dr. Z system bets that we suggested for top tracks in Chapter Five. There never was a possible bet on Lemhi Gold to place, since the expected value stayed under 1 throughout the betting period. The show betting indicated a possible bet, although not high enough to warrant a bet near the end of the betting period. The optimal betting amounts on John Henry for various wealth levels were* (see page 158)

*The expected returns given here were computed using equations (4.5) and (4.6). The betting amounts were calculated using the equations in Chapter Sixteen. You can estimate these values using the charts in Chapter 5.

	50	250	500	1,000	5,000	10,000
Initial wealth						
Place bet	3	17	33	73	374	739
Show bet	18	95	192	335	1,224	2,147
Total bet	21	112	225	408	1,598	2,886
Place profit	3.30	18.70	36.30	80.30	374.00	739.00
Show profit	16.20	85.50	153.60	268.00	979.20	1,502.90
Total profit	19.50	104.20	189.90	348.30	1,353.20	2,241.90

The tote board at post time was as follows:

	#2 Craelius	#4 Lemhi Gold	Expected Return per Dollar Bet on Lemhi Gold	#5 Regalberto
Odds	13—1	4—5		35—1
Win pool	24,785	183,551		9,082
Place	14,673	48,446	0.96	6,469
Show	9,040	29,009	1.04	6,205

	#6 John Henry	Expected Return per Dollar Bet on John Henry	Totals
Odds	7—5		
Win pool	149,879		425,976
Place	27,894	1.22	122,847
Show	14,007	1.34	79,645

The chart of the race was as follows:

Oak Tree Invitational

EIGHTH RACE
Santa Anita
OCTOBER 31, 1982

1 1/2 MILES.(turf). (2.23) 14th Running THE OAK TREE. \$300,000 Added. (Grade I). 3-year-olds and upward. By invitation, with no nomination or starting fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. Weight, 3-year-olds, 122 lbs. Older, 126 lbs. The Oak Tree Racing Association will invite a representative field of horses to compete. The field will be drawn by the closing time of entries. A trophy will be presented to the owner of the winner. Invitations Thursday, October 21. Value of race \$300,000, value to winner \$180,000, second \$60,000, third \$36,000, fourth \$18,000, fifth \$6,000. Mutuel pool \$628,468. Exacta Pool \$477,157.

Last Raced	Horse	Eqt.	A.Wt	PP	1/4	1/2	1	1 1/4	Str	Fin	Jockey	Odds \$1
170Oct82 8SA4	John Henry	7	126	6	4 1 1/2	4 1	4 1	22	22 1/2	12 1/2	Shoemaker W	1.40
170Oct82 8SA2	Craelius	b	3	122	2	3 1	3 1 1/2	1hd	11 1/2	1 1/2	Sibille R	13.60
100Oct82 8BM8	Regalberto	4	126	5	2 1 1/2	22 1/2	3hd	42 1/2	3 1/2	32	Toro F	38.80
170Oct82 8SA6	Pelerin	5	126	1	5 1/2	7	7	6 1/2	64	4 1 1/4	Pincay L Jr	8.10
90Oct82 8Bel1	Lemhi Gold	4	126	4	1 1/2	1hd	2hd	3hd	43	54	McCarron C J	.90
180Oct82 5Fra1	Buchanette	3	119	3	7	5 1	54 1/2	53	5 1/2	610	Lequeux A	55.60
220Oct82 8SA1	Maipon	5	126	7	6 1/2	6 1/2	6hd	7	7	7	Castaneda M	27.50

OFF AT 4:24 Start good, Won driving. Time, :24 2/5, :47 2/5, 1:10 3/5, 1:35 1/5, 1:59 3/5, 2:24, Course firm.

\$2 Mutuel Prices:	6-JOHN HENRY	4.80	4.20	3.80
	2-CRAELIUS		6.20	4.80
	5-REGALBERTO			6.00
	\$5 EXACTA 6-2 PAID \$102.00.			

B. g, by Ole Bob Bowers—Once Double, by Double Jay. Trainer McAnally Ronald. Bred by Golden Chance Farm Inc (Ky).

JOHN HENRY, taken in hand after the start, remained unhurried outside horses for seven furlongs, moved up to challenge outside of CRAELIUS at the far turn, wore down that one under strong handling in the final furlong and drew clear near the end. CRAELIUS, reserved in good position along the rail for a mile, moved suddenly inside of LEMHI GOLD to take the lead nearing the far turn, resisted gamely when challenged by JOHN HENRY but weakened in the closing yards. REGALBERTO forced the early pace outside of LEMHI GOLD, dropped back a bit on the final turn but rallied gamely outside the leaders through the stretch drive. PELERIN failed to seriously threaten. LEMHI GOLD darted to the lead at once, maintained a short advantage for a mile and gradually tired thereafter. BUCHANETTE brushed with PELERIN entering the front stretch the first time, raced within easy striking distance of the leaders for a mile, took up inside of LEMHI GOLD at the far turn and did not threaten in the drive. Lequeux, aboard BUCHANETTE, lodged a claim of foul against LEMHI GOLD but, after reviewing the videotapes, the stewards allowed the order of finish to stand.

Owners— 1, Dotsam Stable; 2, Keck Mrs H B; 3, Harris Walt; 4, Doherty & Snowden; 5, Jones Aaron U; 6, Nahas N; 7, Hirsch C L.
Trainers— 1, McAnally Ronald; 2, Whittingham Charles; 3, Hall Eldon; 4, Whittingham Charles; 5, Barrera Lazaro S; 6, Dupuis Jean-Pierre; 7, Stute Warren.

The bets on John Henry were extremely good ones. With a final expected value of 1.22 to place and 1.34 to show, you would expect a reasonably good payoff. However, with Lemhi Gold finishing out of the money, the payoff was outstanding.

The payoffs were computed as follows. For place, total profit to be shared by backers of John Henry and Craelius equals total place pool minus track take minus dollar bets returned to John Henry and Craelius backers

= 122,847 - 0.15(\$122,847) - \$27,894 - \$14,673

15% take in
California,
or \$18,427.05

= \$61,852.95.

$$\text{Share to John Henry's backers} = \frac{\$61,852.95}{2} = \$30,926.48.$$

$$\text{Payoff per dollar bet} = \underbrace{\$1}_{\text{Return of bet}} + \frac{\$30,926.48}{\underbrace{\$27,894}_{\text{Profit}}} = \$2.1087.$$

$$\text{Payoff per \$2 ticket} = 2(\$2.1087) \text{ less breakage} = \$4.20.$$

In this case breakage, or rounding down to the nearest 20¢ on a \$2 ticket, amounted to 1.74¢, about 1% of the amount bet. The share to Craelius backers was also \$30,926.48, but since there were fewer of them, the payoff was higher.

$$\text{Payoff per dollar bet} = \$1 + \frac{\$30,926.48}{\$14,673} = \$3.1077.$$

$$\text{Payoff per \$2 ticket} = 2(\$3.1077) \text{ less breakage} = \$6.20.$$

The breakage was 1.54¢, about 1% of the amount bet.

The payoffs to place were \$4.20 on John Henry and \$6.20 on Craelius, the latter reflecting the fact that more money was bet on John Henry. Throughout the betting period, John Henry was a system bet to place, with an expected value of over 1.20, which ended up at 1.22, so you would have expected, on average, to make a profit of 22¢ for each dollar wagered. Since it was certainly possible for John Henry to finish out of the money, to make a real profit you have to receive more when he is in the money. In this case, the actual profit was \$2.20 per \$2 ticket, or 110%. The payoff was this high on the 7—5 shot John Henry because the relative long shot Craelius, who went off at 13—1, came in second.

What If Lemhi Gold Had Been in the Money?

Clearly, if Lemhi Gold had come in second, the payoff on John Henry would have been lower. But how much less?

The total profit to be shared would have been

$$\underbrace{\$122,847}_{\text{Total place pool}} - \underbrace{\$18,427.05}_{\text{Track take}} - \underbrace{\$27,894}_{\text{Dollar bets on John Henry}} - \underbrace{\$48,446}_{\text{Dollar bets on Lemhi Gold}} = \$28,079.05,$$

which is considerably less than the \$61,852.95 with Craelius. John Henry's share would be $\$28,079.95/2 = \$14,039.98$.

The payoff per \$2 ticket on John Henry would have been

$$2\left(\frac{\$14,039.98}{\$27,894.00} + \$1\right) \text{ less breakage} = \$3.00$$

and on Lemhi Gold,

$$2\left(\frac{\$14,039.98}{\$48,446} + \$1\right) \text{ less breakage} = \$2.40.$$

The breakage on Lemhi Gold would have been 17.96¢, or about 9% of the amount bet, which, added to the 15%, would have made a startling 24% commission! The results show that the payoff to John Henry would still have been quite good, while Lemhi Gold would have paid only \$2.40.

Thus with the Dr. Z system bet on John Henry, the payoff would be good if the other favorite came in and outstanding if he did not. Over the long run, with many bets of this kind, on average you should make about the 10%–20% indicated for Dr. Z system bets in Chapter Nine. The key is to get good payoffs, when the horse actually comes in, that more than compensate for when he finishes out of the money.

The situation with show betting is much the same. Let us now go through the analysis both to be sure that the message is clear and to discover any important differences.

$$\begin{aligned} \text{Total profit to} &= \text{total show pool minus track take} \\ \text{be shared by} &\quad \text{minus dollar bets returned to John Henry,} \\ \text{backers of} &\quad \text{Craelius, and Regalberto backers} \\ \text{John Henry,} &= \$79,645 - \underbrace{0.15(\$79,645)}_{\$11,946.75} - \$14,007 - \$9,040 \\ \text{Craelius, and} & \\ \text{Regalberto} & \\ &- \$6,205 \\ &= \$38,446.25 \end{aligned}$$

Thus each of the three horses' backers would have received $\$38,446.25/3 = \$12,815.42$ profit.

The payoffs on John Henry per \$2 ticket were

$$2\left(\frac{\$12,815.42}{\$14,007} + \$1\right) \text{ less breakage} = \$3.80;$$

on Craelius,

$$2\left(\frac{\$12,815.42}{\$9,040} + \$1\right) \text{ less breakage} = \$4.80;$$

and on Regalberto,

$$2\left(\frac{\$12,815.42}{\$6,205} + \$1\right) \text{ less breakage} = \$6.00.$$

Breakage amounted to 2.99¢ for John Henry, 3.53¢ for Craelius, and 13.1¢ for Regalberto on each \$2 ticket.

Now how would these payoffs have been affected if Lemhi Gold had finished in the money? Let us suppose that John Henry, Lemhi Gold, and Craelius were in the money. As we know, the order of their finish does not matter. What counts is how much is bet on each of the horses finishing in the money.

The total profit to be shared would have been

$\underbrace{\$79,645}$	$-\underbrace{\$11,946.75}$	$-\underbrace{\$14,007}$	$-\underbrace{\$9,040}$
Total show pool	Track take	Dollar bets on John Henry	Dollar bets on Craelius
			$-\underbrace{\$29,009} = \$15,642.25.$
			Dollar bets on Lemhi Gold

Each horse's share would have been $\$15,642.25/3 = \$5,214.08$; thus the payoffs on John Henry per \$2 ticket would have been

$$2\left(\frac{\$5,214.08}{\$14,007} + \$1\right) \text{ less breakage} = \$2.60;$$

on Craelius,

$$2\left(\frac{\$5,214.08}{\$9,040} + \$1\right) \text{ less breakage} = \$3.00;$$

and on Lemhi Gold,

$$2\left(\frac{\$5,214.08}{\$29,009} + \$1\right) \text{ less breakage} = \$2.20.$$

Breakage would have amounted to 14.4¢ for John Henry, 15.4¢ for Craelius, and 15.9¢ for Lemhi Gold for each \$2 bet. Thus \$2.744 was rounded to \$2.60, \$3.154 to \$3.00, and \$2.359 to \$2.20. As you can see, breakage mounts up! It is a considerable additional cost. Adding it to the track take often makes the total track commission over 20% of the amount bet. It is an even higher percentage of the profits. In this case it would have been

$$\frac{15.4¢}{60¢ + 15.4¢} (100) = 20.4\%$$

just for breakage on John Henry. On Lemhi Gold it would have been

$$\frac{15.9¢}{20¢ + 15.9¢} (100) = 44.3\%.$$

Breakage is such an important aspect of betting that we discuss it more thoroughly, including its effect on Dr. Z system bets, in Chapter Nine. However it is clear that (1) breakage is more important for show betting than place betting, since the payoffs are generally lower; and (2) it is a very significant cost, especially when the payoffs are low and the exact payoff is just below the next breakage level—for example, a \$2.59 payoff becomes \$2.40 rather than \$2.60.

The exercise of assuming that Lemhi Gold was in the money taught us that (1) the payoff amounts on all the horses become much smaller when a favorite with a heavy amount bet to place or show on it finishes in the money; (2) the payoff on the Dr. Z system bet horse becomes lower but still can be reasonably good; and (3) the effect is usually greater on show bets than place bets, since less is generally bet to show than place, with the result that a large amount bet on the favorite has more of an impact on the payoffs. In conclusion, John Henry was a great bet to place and show. When the favorite finished out of the money, the payoffs were very high. Even if Lemhi Gold had come in the money, the payoffs to John Henry would have been quite reasonable considering he was a 7—5 shot.

CHAPTER 9

Results of Computer Studies Using the Dr. Z System over Long Periods



In this chapter we show you how the Dr. Z system performs over long periods. To do this we collected data for entire meetings at three different major tracks during different years. These include the 1978 summer meeting at Exhibition Park involving 9,037 horses, running in 1,065 races over 110 days; the 1973/74 winter meeting at Santa Anita involving 5,895 horses, running in 627 races over 75 days; and the 1981/82 winter meeting at Aqueduct involving 3,470 horses, running in 380 races over 43 days. In all three cases, use of the Dr. Z system resulted in substantial profits.

We also investigate three crucial issues: the importance of the track take, breakage, and the fact that you must make bets a minute or two before the race is run. The combined effect of the track take and breakage is very large indeed, which means you should be aware of how much these commissions are at your local track; they have a considerable effect on profits. The evidence shows that the last-minute betting can reduce the attractiveness of some Dr. Z system bets. In most such cases, however, the bets remain good ones. Bets placed two minutes before the horses run usually do lead to substantial profits. We also look at some other characteristics of Dr. Z system bets, such as How large are they? How often do you make them? What happens on non-fast-track days?

Exhibition Park: The 1978 Summer Season

Exhibition Park has one long racing season each year. It runs from early April through October. There are usually four racing cards per week, each

of about ten races. The horses running at Exhibition Park are of good quality and the betting in this wealthy seaport city is quite high, averaging over \$1 million per day. Much of this money is bet on such features as the daily double, quinella, exactor, sweep six, and triactor. The win, place, and show pools remain quite high as well.

The 1978 season ran for 110 days and involved 9,037 horses running in the 1,065 races. We collected data on the win, place, and show pools for every one of these horses in all these races. The track take was 18.1% (it is now 16.3%), and Exhibition Park has 5¢ breakage. We calculated the expected value per dollar bet for place and show for all 9,037 horses using equations similar to (4.3) and (4.4). Whenever the expected value was 1.20 or better, we would place a Dr. Z system bet. The amount of the bet was determined by equations similar to (5.5) and (5.6).^{*} Using an initial wealth of \$2,500, our wealth over the season, if we bet on every Dr. Z system bet, regardless of weather, grew to \$7,698, yielding a profit of \$5,198. The history of our betting fortune over the season appears in Figure 9.1. The average bettor starting with a \$2,500 fortune would have lost it all by the 32nd day. Our fortune generally moved up along the typical jagged line that represents

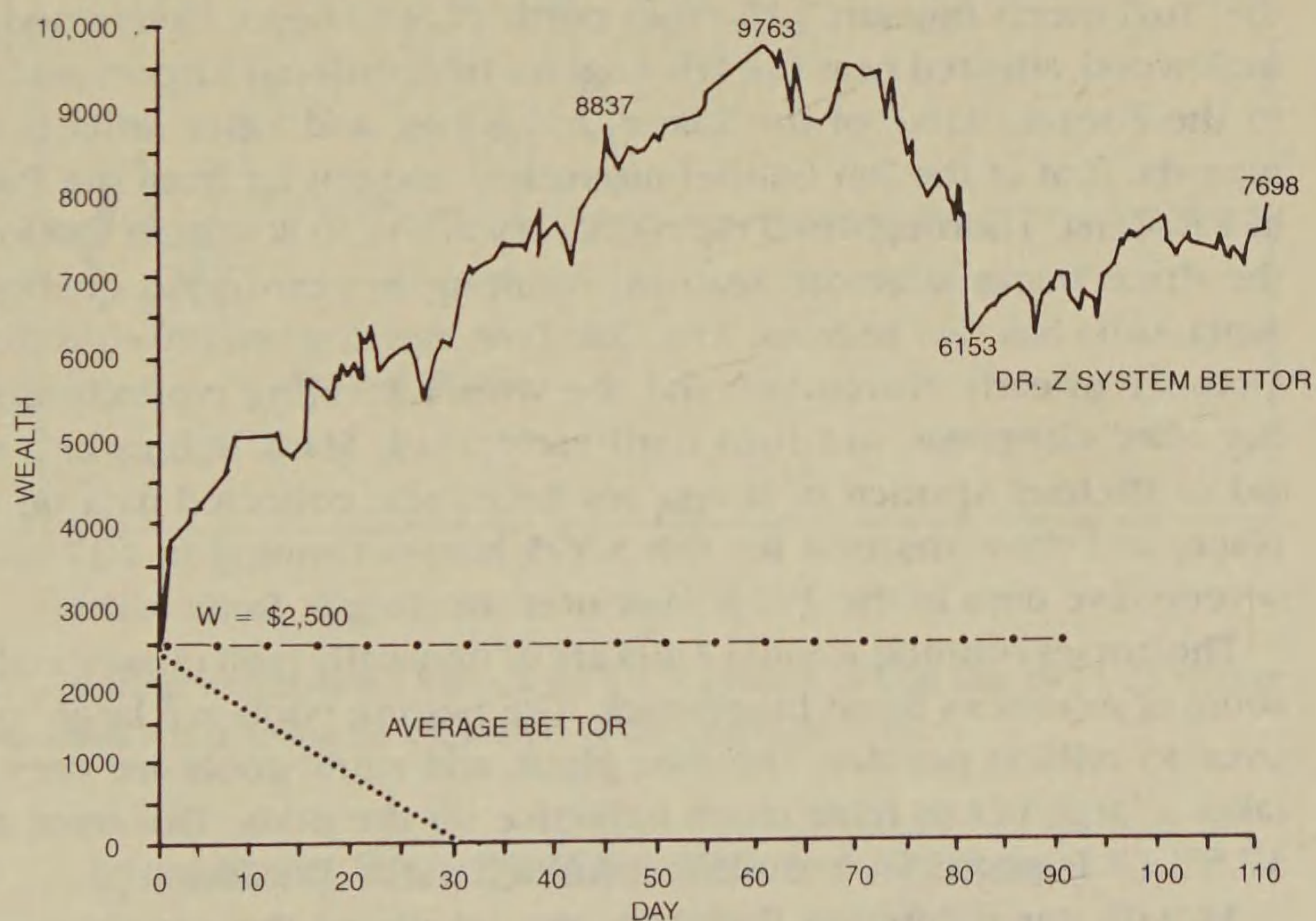


Figure 9.1 Betting-wealth-level history for Dr. Z system bets at the 1978 summer meeting at Exhibition Park using an expected-value cutoff of 1.20

^{*}This study was done by Hausch, Ziemba, and Rubinstein (1981). Since that time we have developed even more exact equations to calculate both the expected returns and the amount to bet. These differences are minor, however, although the results from the new equations would most likely lead to slightly higher profits.

actual win and losses. It peaked once at \$8,837 on the 44th day, then at \$9,763 on the 62nd day. From about the 70th to the 80th day, there was a substantial losing streak.

The data in Figure 9.1 include every Dr. Z system bet regardless of track condition. As we discussed in Chapter Five, we recommend that you do not bet when the track is not fast. Of the eighty-seven days on which we placed Dr. Z system bets, using the conservative 1.20 expected-value cutoff,* the track was fast on fifty-seven days, and it was slow, muddy, heavy, wet, or sloppy on thirty days. The results reveal that on the fifty-seven fast-track days, we bet \$32,501 and received \$38,364, a profit of \$5,863, or 18%. However, on the other thirty days we bet \$17,501 and received \$16,535, a loss of \$645, or 3.7%. If we had eliminated these non-fast-track days, our profit for the year would have been \$5,863 on our \$2,500 investment.

Santa Anita: The 1973/74 Winter Meeting

Southern California has three major thoroughbred racetracks: Del Mar, where the “turf meets the surf” 25 miles north of San Diego; Hollywood Park, in Inglewood, situated near the Los Angeles International Airport and adjacent to the Forum, home of the Lakers and Kings; and Santa Anita in Arcadia, near the foot of the San Gabriel mountains and not far from the Rose Bowl in Pasadena. Thoroughbred racing is very active in southern California and the three tracks alternate seasons, resulting in year-round quality racing. Santa Anita has two seasons: The Oak Tree meeting usually runs from early October to early November, and the winter meeting typically begins the day after Christmas and runs until early April. Mark Rubinstein, with the aid of Michael Alhadeff of Longacres Racetrack, collected data on the win, place, and show mutuels for the 5,895 horses running in 627 races over seventy-five days in the 1973/74 winter meeting at Santa Anita.

The horses running at Santa Anita are of unusually high quality and include some of America's finest bloodstock. The betting pools are large, averaging over \$5 million per day. The win, place, and show pools are very large. It takes a large bet to have much influence on the odds. The track take was 17.5% (it is now 15%), and Santa Anita has 10¢ breakage.

As with our Exhibition Park bets, we calculated the expected value per dollar bet using equations similar to (4.3) and (4.4). Because of the higher-quality horses and larger betting pools, we utilized a 1.16 expected-value cutoff for our Dr. Z system bets. Using an initial wealth of \$2,500, our wealth over the season—if we bet on every Dr. Z system bet whose expected value

*Recall from Chapter Five that we now recommend 1.18 as the preferred expected-value cutoff for tracks like Exhibition Park.

to place or show was at least 1.16*—grew to \$5,337, for a profit of \$2,837. The history of our betting fortune over the season appears in Figure 9.2. The average bettor starting with \$2,500 is bankrupt by the twenty-fourth day. The Dr. Z system bets at Santa Anita were large, which led to considerable swings in our betting fortune. We peaked out at \$4,635 on the thirty-fifth day, then at \$6,559 on the seventy-first day. Although there were several losing streaks, the overall trend was a substantial increase in wealth over time. The calculations of the optimal place and show bets were calculated using the equations in Chapter Sixteen.

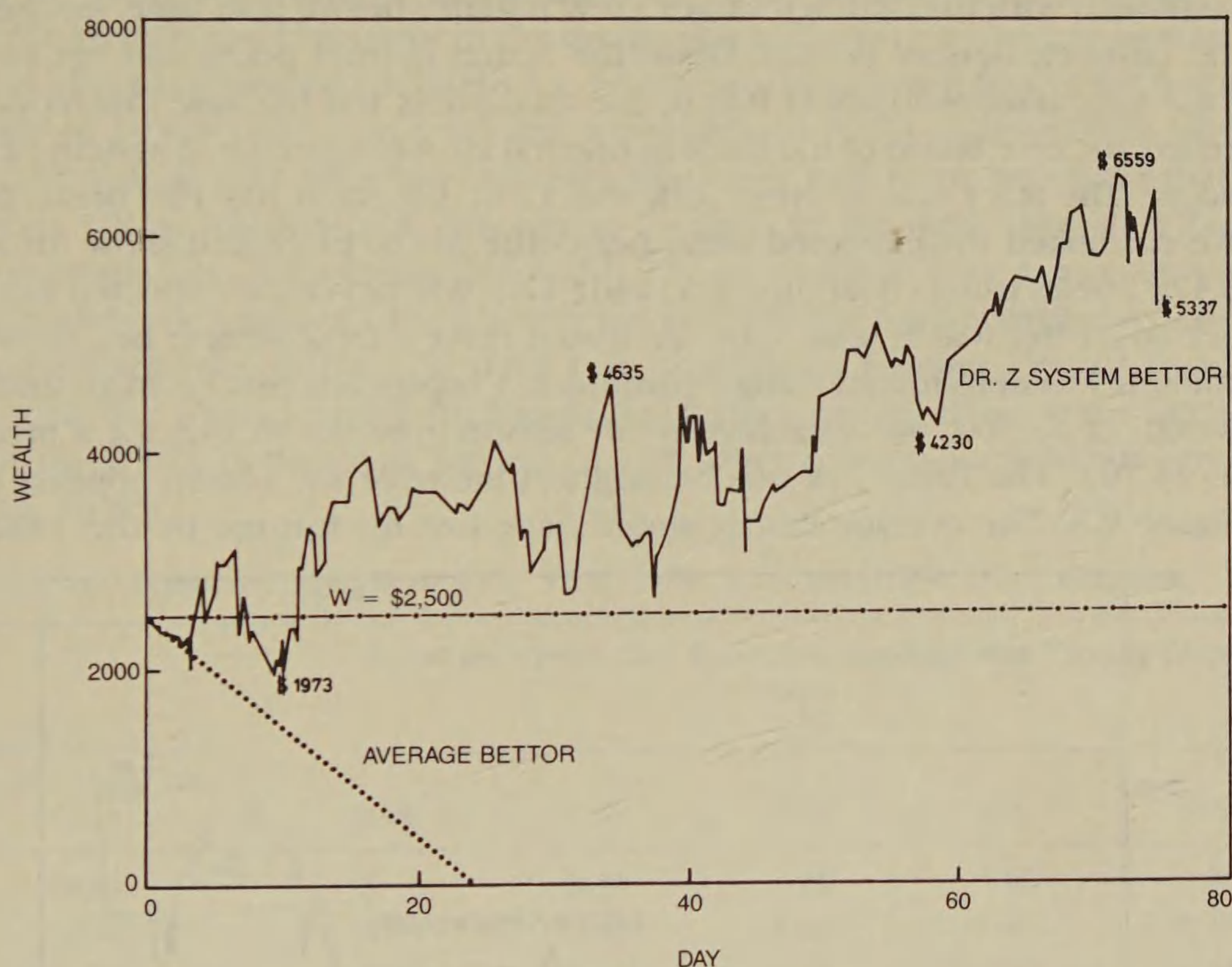


Figure 9.2 Betting-wealth-level history for Dr. Z system bets at the 1973/74 winter meeting at Santa Anita using an expected-value cutoff of 1.16

Aqueduct: The 1981/82 Winter Season

Aqueduct is one of the three major thoroughbred racing tracks in New York State. The others are Belmont and Saratoga. Between them and the Mead-

*Since it rarely rains in Arcadia, we did not worry about eliminating non-fast-track days, since there would be so few. We recommend, however, that you do not bet at Santa Anita on non-fast-track days. We now recommend an expected value cutoff of 1.14 for top quality tracks such as Santa Anita.

owlands in New Jersey, they provide top quality racing for the millions in the New York metropolitan area throughout the year. Aqueduct's racing season typically runs from mid-October to mid-May and Belmont's in the summer except for August, which is reserved for beautiful Saratoga near Albany.

Richard van Slyke collected the win, place, and show mutuels for us for the forty-three-day period December 27, 1981–March 27, 1982. During this period, 3,470 horses ran in 380 races. In New York the betting occurs off-track as well as at the racetrack. The off-track betting mutuels are then combined with the on-track values a few minutes before post time. Because the off-track bettors do not know the actual mutuel pools and because their bets amount to about half of the total pools and because this money enters the tote board of the track in one fell swoop, more Dr. Z system bets occur. The track take in New York was 15%. Aqueduct has 10¢ breakage. We calculated the expected value per dollar bet to place and show for all 3,470 horses using equations (4.5) and (4.6). Whenever the expected value per dollar bet was at least 1.14, we would make a Dr. Z system bet, whose amount was determined using equations in Chapter Sixteen. From an initial wealth of \$2,500, our wealth over the season grew to \$6,292, for a profit of \$3,792. The history of our betting fortune over the season appears in Figure 9.3. The average bettor would have lost his fortune by the 148th

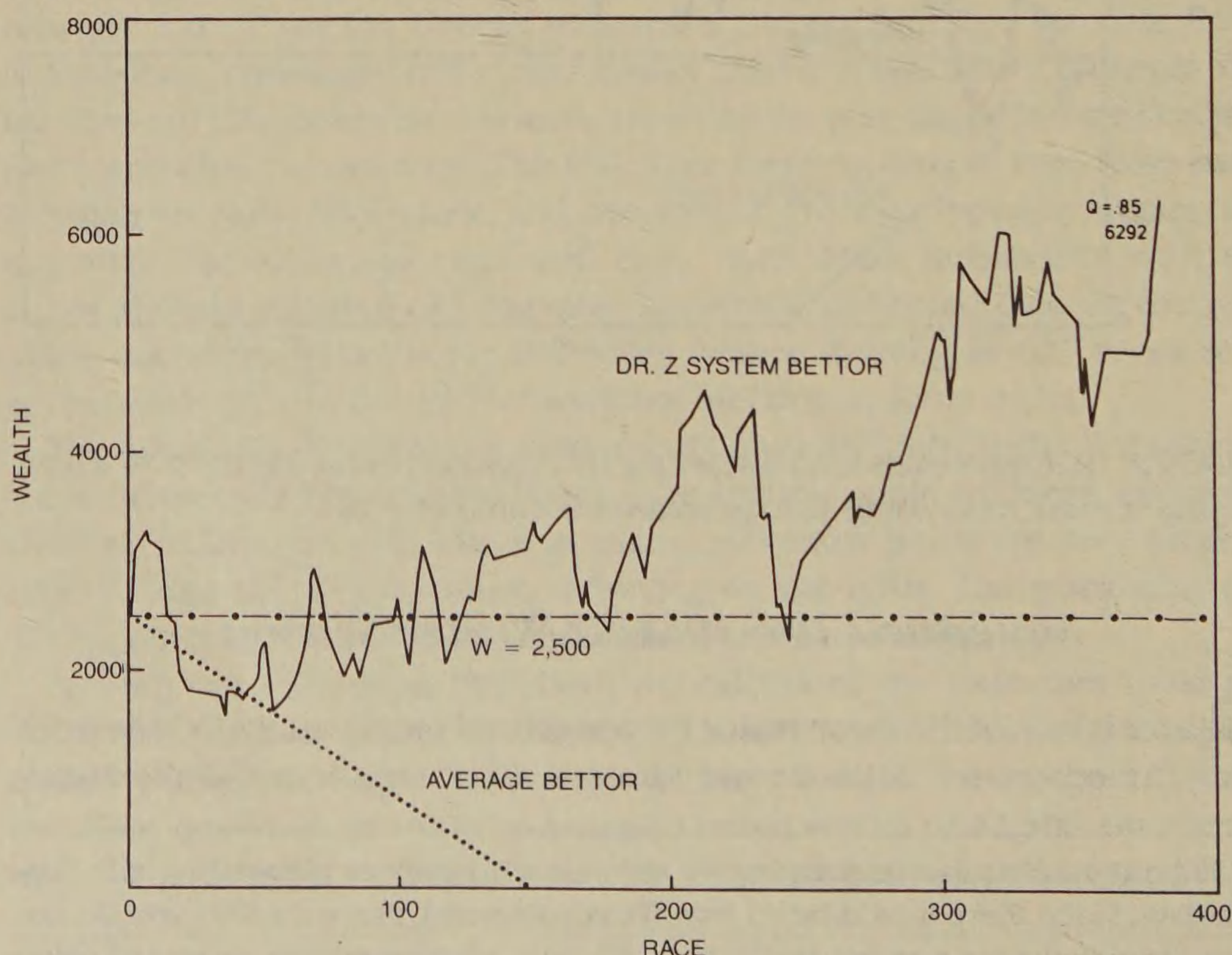


Figure 9.3 Betting-wealth-level history for Dr. Z system bets at the 1981/82 Aqueduct winter meeting using an expected-value cutoff of 1.14

race. As with the Exhibition Park and Santa Anita data, there is a jagged look to the line tracing our wealth level that reflects both individual wins and losses and winning and losing streaks.

How Important Is the Track Take?

The track take amounts to a commission of 14%–22% on every dollar wagered. It pays for purses, taxes, and expenses, and it also provides profits for the racetrack owners. An additional 1% or 2% makes a large difference in the payoffs and especially in the profits you make with a winning system. This effect is illustrated in Table 9.1, which provides payoff figures for track takes of 14% to 18%. On a bet that would return \$9.83 without track take (and breakage), \$1.38 is lost to a track that has a 14% track take. After that, about 10¢ is lost for each percentage increase in the track take. At 17%, that means 29¢. With a payoff of \$6.51, 92¢, or nearly a dollar is lost—even with a low track take of 14%. Another $6\frac{1}{2}$ ¢ is lost for each percentage increase in the track take. For a 17% track take, that means another 19¢, or \$1.11 in total. For a small payoff, such as \$3.85, the percentage effect is the same, but the actual dollar costs are less. A 14% track take amounts to 54¢, and 17% to 65¢.

TABLE 9.1 *Effect on payoffs of 14%, 15%, 16%, 17%, and 18% track takes*

Payoff of a \$2 Bet before Track Take (\$)	Payoff after Track Take But before Breakage with Varying Track Takes (\$)				
	14%	15%	16%	17%	18%
9.83	8.45	8.35	8.26	8.16	8.06
6.51	5.59	5.53	5.46	5.40	5.34
3.85	3.31	3.27	3.23	3.20	3.16

The effect on profits is even more dramatic. You lose not only because there are additional costs in each race, but also because your betting wealth is less, which means the actual bets you make are smaller. During the 1981/82 season, Aqueduct had a 15% track take. Dr. Z system bets yielded a final wealth of \$6,292, for a profit of \$3,792. Aqueduct recently increased the track take to 17%; prior to 1981/82 it was 14%. Figure 9.4 shows what the effect would have been on both our betting wealth and profits if this higher track take had been operative in 1981/82, and it also shows how much better we would have done with a 14% track take. With a 17% track take our final betting wealth would have fallen to \$5,058. Our profit of \$3,792 would have dropped by \$1,234 to \$2,558—nearly a third of the profits—

due to a 2% increase in the track take. With a track take of 14%, the final betting wealth would have grown to \$7,090, for a profit of \$4,590, or \$798 more than with the 15% track take. As a rule of thumb, you may assume that each 1% increase in the track take eats up about a sixth of the profits. At a track take of 20% or more, there simply would not be many Dr. Z system bets, and total profits would likely be quite small.

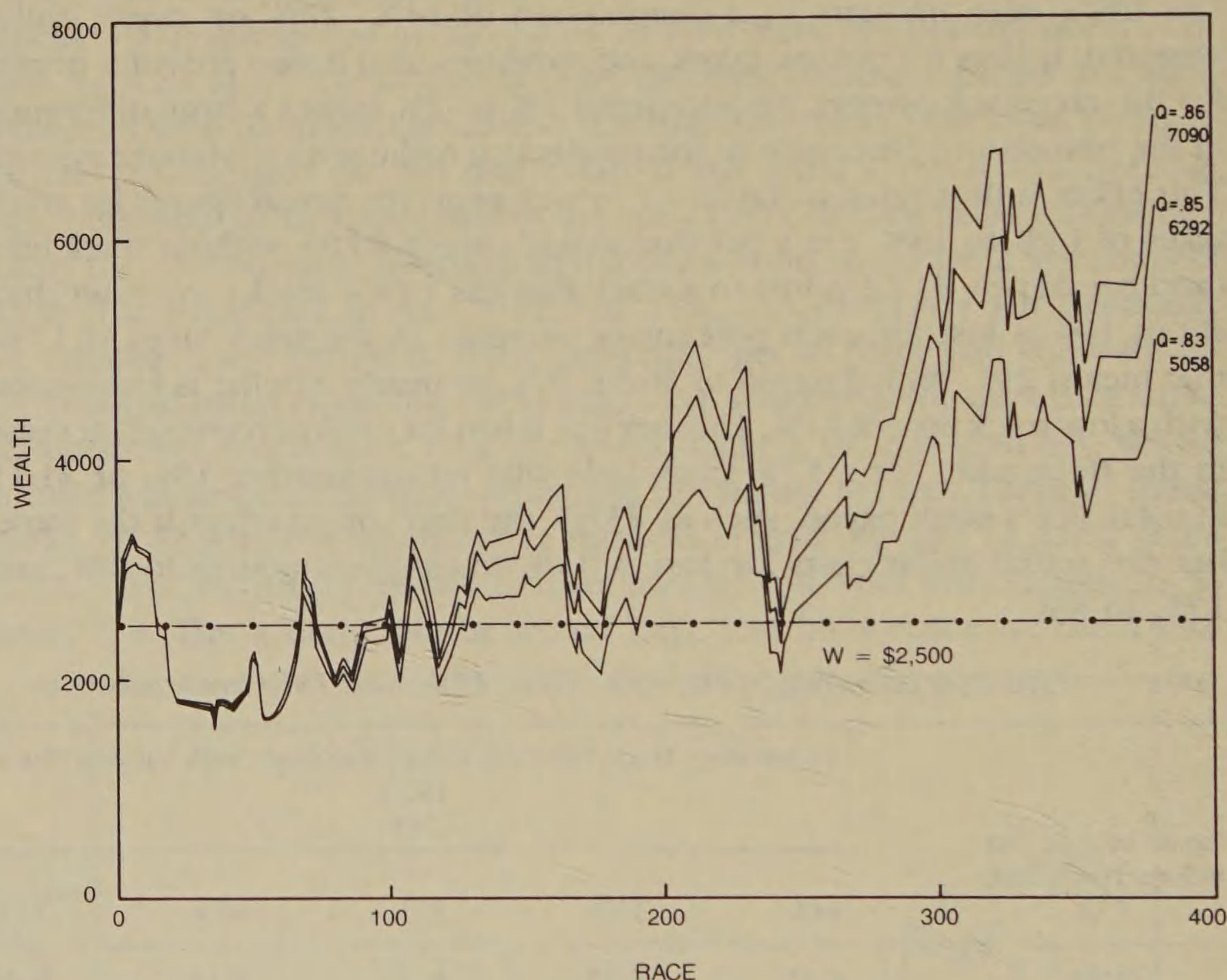


Figure 9.4 Betting-wealth-level histories for Dr. Z system bets at the 1981/82 Aqueduct winter meeting using an expected-value cutoff of 1.14 for track takes of 14%, 15%, and 17%

How Important Is Breakage?

In addition to the track take of 14%–22%, bettors must also pay an additional commission, called *breakage*. As we have indicated, this commission refers to the funds not returned to the betting public because the payoffs are rounded down to the nearest 10¢ or 20¢ on a \$2 bet. For example, a payoff net of the track take of \$6.39 would pay \$6.30 or \$6.20, respectively. Breakage occurs in the win, place, and show as well as in the exotic pools. We refer to rounding down to the nearest 10¢ on a \$2 bet as 5¢ breakage, that is, 5¢ per dollar, and rounding down to the nearest 20¢ on a \$2 bet as 10¢ breakage. Initially, most tracks utilized a 5¢ breakage. In recent years,

however, more and more tracks have switched to 10¢ breakage. It amounts to a substantial additional commission and more profits for the track. Table 9.2 illustrates the difference between these two types of breakage and their effect on total payoff and total profits.

TABLE 9.2 *Effect of 5¢ and 10¢ breakage on payoff and profit*

Payoff on a \$2 Bet after Track Take But before Breakage (\$)	Payoff after 5¢ Breakage (\$)	Payoff after 10¢ Breakage (\$)	Percentage of Payoff Lost to 5¢ Breakage
10.35	10.30	10.20	0.48
8.57	8.50	8.40	0.82
6.39	5.30	6.20	1.41
4.61	4.60	4.60	0.22
3.87	3.80	3.80	1.81
2.95	2.90	2.80	1.69
2.68	2.60	2.60	2.99
2.39	2.30	2.20	3.91
2.26	2.20	2.20	2.65
2.08	2.10	2.10	−0.96

TABLE 9.2 (Continued)

Percentage of Payoff Lost to 10¢ Breakage	Percentage of Profit Lost to 5¢ Breakage	Percentage of Profit Lost to 10¢ Breakage
1.45	0.60	1.80
1.75	1.07	2.59
2.97	2.09	4.32
0.22	0.38	0.38
1.81	3.74	3.74
5.08	5.26	15.79
2.99	13.33	13.33
7.94	23.08	48.72
2.65	23.08	23.08
−0.96	−25.00	−25.00

As Table 9.2 shows, the 10¢ breakage is never less than 5¢ breakage and usually is considerably more. As a percentage of the payoff, breakage usually increases as the payoff becomes smaller, unless the payoff is close to the breakage round-off amount. An exception is the minus pool; in that case \$2.10 must be paid even if the payoff before breakage is only \$2.08. In

Kentucky, the minimum payoff is \$2.20. Minus pools are discussed in Chapter Fifteen.

Our calculations indicate that, on average, bettors using the Dr. Z system lose about 1.79% of the total payoff on their bets to 5¢ breakage and 3.14% to 10¢ breakage. Adding these amounts to the track take gives the total commission. For example, at Churchill Downs in Louisville, Kentucky, the 15% track take becomes about 18% with their 10¢ breakage, and at Exhibition Park in Vancouver, British Columbia, the 16.3% track take also becomes about 18% with their 5¢ breakage. To determine the true commission at a given racetrack, you must take into account both the breakage and the track take. A table of track takes for various U.S. states and Canadian provinces appears in Appendix A.

The full extent of the effect of breakage is shown in what it does to profits. Using the 1978 Dr. Z system bets for Exhibition Park without breakage, an initial wealth of \$2,500 would leave you with \$8,319 at the end of the year. With 5¢ breakage you would have \$7,521,* and with 10¢ breakage, \$6,918. The effect of breakage throughout the 1978 season is shown in Figure 9.5. In addition to taking money away from total wealth, breakage has the additional effect of lowering the bet size, since a lower betting wealth means

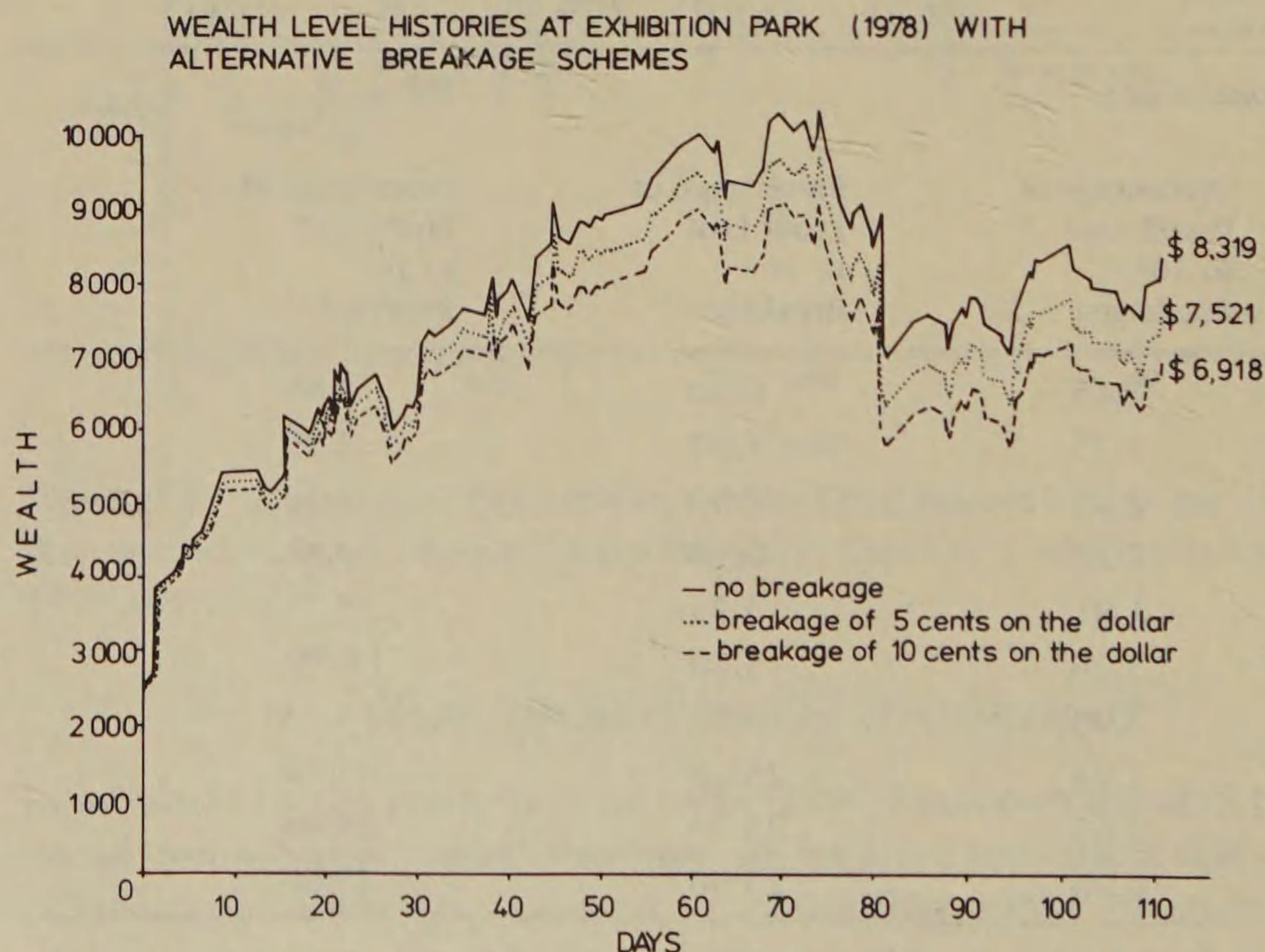


Figure 9.5 Wealth-level histories of Dr. Z system bets at Exhibition Park in 1978 with alternative breakage schemes

*This \$7,521 final wealth is different from the \$7,698 in Figure 9.1, because Figure 9.5 used a 1.18 expected-value cutoff and Figure 9.1 used a 1.20 expected-value cutoff.

smaller bets and lower future profits. These calculations indicate that 5¢ breakage averages 13.7% of profits, and 10¢ breakage averages 24.1% of profits on Dr. Z system bets.

To summarize, breakage, especially the very common 10¢ variety, is a very substantial cost. The costs are highest when you are making bets on short-odds horses. Unfortunately, this is an unavoidable aspect of the Dr. Z system.

The Two-Minute Problem: Bets at Exhibition Park in 1980

The computer studies described in this chapter for the races at Exhibition Park in 1978, Santa Anita in 1973/74, and Aqueduct in 1981/82 give convincing evidence of the validity of using the Dr. Z system over extended periods. These studies were based on the win, place, and show mutuel pools at the end of the betting period. In practice, it takes thirty seconds or so to determine your optimal bet and a minute or so actually to make the bet. Even with the charts in Chapter Five or with some appropriate way of determining the optimal bet size, you need to utilize the betting information one to two minutes before the end of the betting period.

You need to find out just when the betting stops at any particular racetrack you are attending. This may be exactly at the listed post time or possibly a few minutes later. The key is to watch where the horses are. When they get close to the starting gate, you know that the totalizator machines will be closed soon. An exception occurs when there is a late scratch or an incident among the horses. Then the betting can go on for several more minutes. In a recent race at Exhibition Park, the final one on the card, which features the heavily bet triactor, there were three late scratches. Management, wanting to make sure that their commission would not be lost, held up the race for over thirty minutes so that the refunded money could be rebet.

In the rest of this book, the betting described used the tote values as they stood one or two minutes before the end of the betting period, that is, when we made our actual bets. On occasion, a bet is a Dr. Z system bet with two minutes to go, but as a result of the late betting, it is no longer a good bet at post time. This difficulty does not seem to happen very often, and has not proved to be a serious problem for us.

To study the possible effects of the two-minute problem, we did a computer analysis of this phenomenon. On nine days during July and August 1980, during which ninety races were run, we went to Exhibition Park and recorded data at two minutes before post time and then at thirty-second intervals until the race was run. We utilized a betting fortune of \$2,500 and

TABLE 9.3 *Results from summer 1980 Exhibition Park betting: twenty-two Dr. Z system bets during ninety races over ten days*

Date	Race	Regression Estimate of Expected Return per Dollar, Two Minutes before End of Betting	Regression Estimate of Expected Return per Dollar, at the End of Betting	Regression Estimate of Optimal Bet Two Minutes before End of Betting (\$)	Finish	Net Return Based on Final Data with Consideration of Our Bets Affecting Odds	Final Wealth (\$)
July 2	9	120	122	19,SHOW ON 4	5-6-7	– \$19	\$2,500 2,481
"	10	120	123	72,SHOW ON 8	8-1-2	72	2,553
July 9	7	121	110	292,SHOW ON 1	2-7-1	131	2,684
"	10	135	122	248,PLACE ON 1	1-6-2	260	2,944
July 16	6	131	122	487,PLACE ON 9	9-8-6	536	} 682 3,626
		139	117	292,SHOW ON 9		146	
"	7	125	127	7,SHOW ON 1	5-2-8	– 7	3,619
July 23	3	149	149	30,SHOW ON 2	2-10-7	92	3,711
"	4	139	134	573,SHOW ON 10	6-10-4	201	3,912
July 30	8	121	111	215,PLACE ON 4	4-1-5	129	4,041
"	9	123	125	591,SHOW ON 6	8-1-5	– 591	3,450
Aug 6	6	128	112	39,SHOW ON 4	4-3-1	59	3,509
"	9	124	103	51,SHOW ON 2	4-1-3	– 51	3,458
Aug 8	1	121	132	87,SHOW ON 1	1-10-4	139	3,597
"	3	127	111	635,SHOW ON 3	3-4-7	127	3,724
"	4	126	113	126,SHOW ON 2	2-7-1	82	3,806
Aug 11	8	121	112	94,SHOW ON 8	8-6-2	113	3,919
"	9	131	130	688,SHOW ON 5	5-3-4	138	4,057
Aug 13	3	128	106	33,SHOW ON 2	1-6-7	– 33	4,024
"	6	131	122	205,SHOW ON 5	5-8-4	144	4,168
"	7	134	133	511,SHOW ON 6	8-5-9	– 511	3,657
"	10	123	109	108,SHOW ON 5	3-5-1	59	3,716

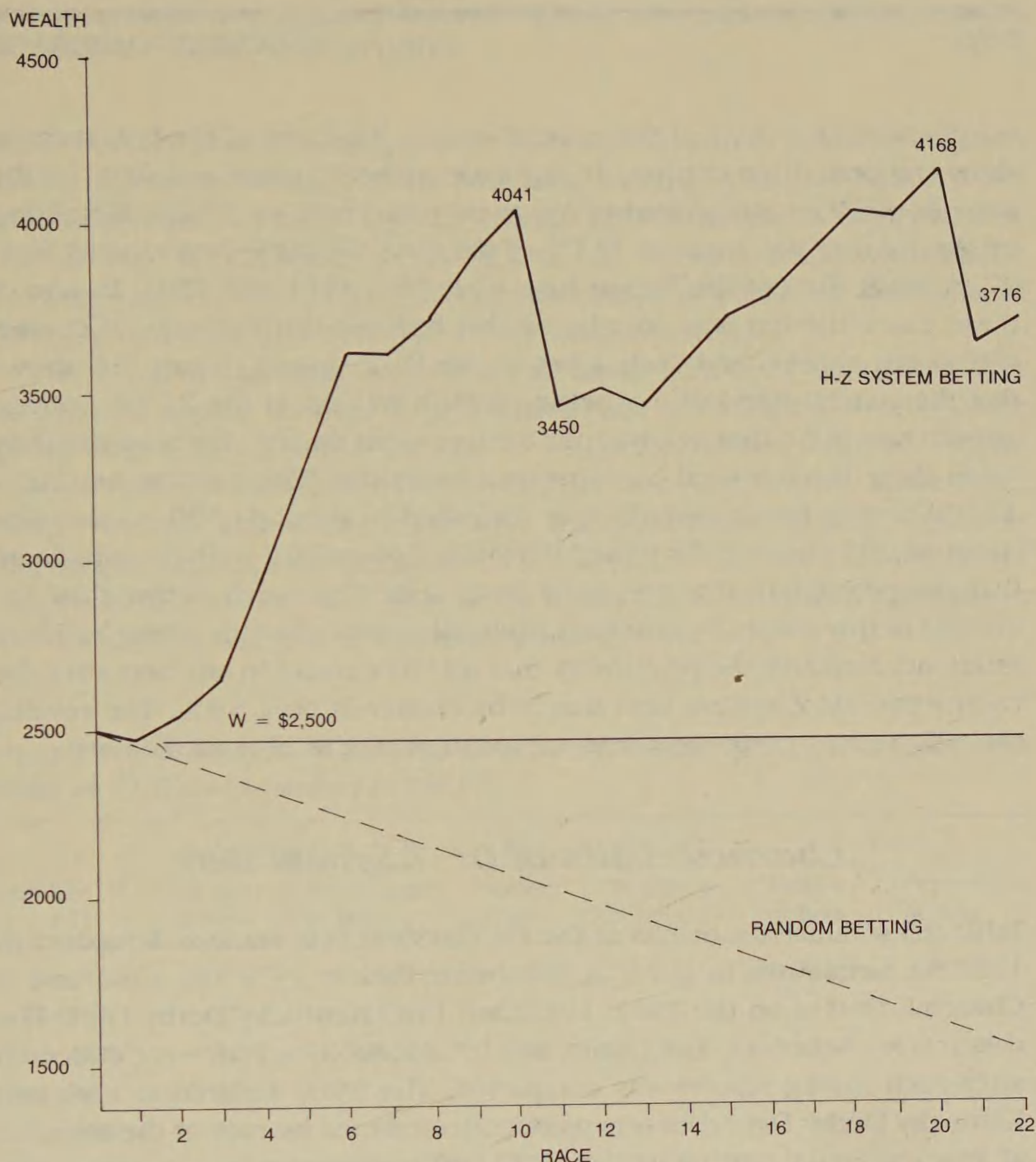


Figure 9.6 Results from summer 1980 Exhibition Park betting: twenty-two Dr. Z system bets during ninety races over ten days

made our Dr. Z system bets using the win, place, and show pools two minutes before the race. We then based our results on the final win, place, and show pools. There were twenty-two Dr. Z system bets at the two-minute mark, using our conservative cutoff of 1.20 expected value. The results appear in Table 9.3 and Figure 9.6.

Our \$2,500 grew to \$3,716, for a profit of \$1,216, or 48.6%, on our initial investment. The twenty-two bets were for a total of \$5,304, so our rate of return was 22.9%. Since we were choosing only bets with an expected value of at least 1.20 with two minutes to the race, we expected an average rate of return within this range. The expected value at post time was often less than it was with two minutes to go. However, it never fell to less than 1.00, breaking even, and only three times to less than 1.10. It increased five times in the twenty-two races. On most of the days, there were two Dr. Z

system bets. One day had three, another four. Nineteen of the bets were to show and only three to place. In one race we bet to place and show on the same horse. *We won sixteen of the twenty-two bets, or 72.7%. Weighting by the amount bet, we won 77.1% of the time.* We made bets ranging from \$7 to \$688. Two of the largest bets were lost: \$511 and \$591. In one of these cases, the bet was on a horse that had not run recently; of course, we do not recommend such a bet in the Dr. Z system. Figure 9.6 shows that the general trend of our betting wealth was up, at the 22.9% average growth rate per dollar bet, but our fortune went up and down significantly when there were several big wins or a large loss. With random betting, a \$2,500 betting fortune would have dwindled to about \$1,500, so we were about \$2,200 ahead of the typical bettor. In Appendix B we have calculated that the probability that we could have done this much better than the average bettor simply by chance is negligible: three chances in one hundred thousand. Similarly, the probability that we were ahead in our bets after the twenty-two Dr. Z system bets simply by chance is only 5.4%. The results, then, do seem to represent true exploitation of a market inefficiency.

Characteristics of Dr. Z System Bets

Table 9.5 summarizes results of the Dr. Z system bets made at Aqueduct in 1981/82, Santa Anita in 1973/74, Exhibition Park in 1978 and 1980, and at Churchill Downs on the 1981, 1982, and 1983 Kentucky Derby Days. The data sets for Aqueduct, Santa Anita, and 1978 Exhibition Park were collected after each racing season was completed. The 1980 Exhibition Park and Kentucky Derby Days data sets were collected race by race at the track. In all cases an initial betting wealth of \$2,500 was assumed.

The expected-value cutoffs used were 1.10 on the Derby Days, reflecting the superior quality of horses; 1.14 at Aqueduct and Santa Anita, reflecting the overall high quality of horses; and 1.20 at Exhibition Park.* These cutoff values were determined from Table 5.1 and from other calculations we made. We worked on the basis of an expected 20% rate of return on the first dollar bet. Obviously this 20% would drop when we started betting larger amounts, since our bets would begin to affect the odds.

The most common Dr. Z system wager is a show bet on a favorite. Good show and place bets occur about 85% and 15% of the time, respectively. The percent of bets won is about 59%, while the percent of bets won when weighted by the size of the bet is 71%. This difference arises from the fact that the large bets are on favorites which often finish in-the-money, while

*We recommend 1.18 as the best cutoff at tracks like Exhibition Park.

small bets are placed on longer-odds horses, which finish in the money less often. At a track like Santa Anita with large betting pools, our bets did not affect the odds very much and our average bet was about 7% of our wealth. The average bet dropped to about 5% of our wealth at tracks with smaller betting pools. In the course of these thousands of races and hundreds of Dr. Z system bets, the total amount wagered was \$162,477.

The size distribution of our bets at Exhibition Park in 1978 and Aqueduct in 1981/82 appears in Table 9.4.* The track take amounted to \$26,035. Our profit was \$18,505, an 11.4% rate of return on dollars wagered. Higher rates of return were achieved for races where we were actually at the track, when we were able to skip rainy days and avoid horses that did not meet the simple handicapping qualifications mentioned in Chapter Five. The lower rates of return, as expected, were at the tracks where we had no information other than the win, place, and show mutuel pools.

TABLE 9.4 *Distribution of bet sizes with initial wealth of \$2,500 at Exhibition Park in 1978 and Aqueduct in 1981/82*

Bet Size (\$)	Exhibition Park 1978		Aqueduct 1981/82		Totals	
	Number of Bets	Percentage of Bets	Number of Bets	Percentage of Bets	Number of Bets	Percentage of Bets
0-50	22	13	18	14	40	13
51-100	37	21	10	8	47	16
101-200	35	20	20	16	55	19
201-400	39	22	42	34	81	27
401-600	16	9	12	10	28	9
601-1,000	19	11	17	14	37	12
1,001+	6	4	5	3	10	3
Totals	174	100	124	100	298	100

Finally, the average payout per \$2 bet ranged from \$2.97 to \$3.33 at the various tracks, with an average value of \$3.12. This value was actually a relatively high show return, considering that the Dr. Z system often picks heavy favorites.

*For comparison with higher betting wealths, see Table 9.6, which shows an initial betting wealth of \$10,000 at Exhibition Park in 1978 and Santa Anita in 1973/74.

TABLE 9.5 *Summary statistics on Dr. Z system bets made at Aqueduct in 1981/82, Santa Anita in 1973/74; Exhibition Park in 1978 and 1980; and at the 1981, 1982, and 1983 Kentucky Derby days with an initial betting wealth of \$2,500*

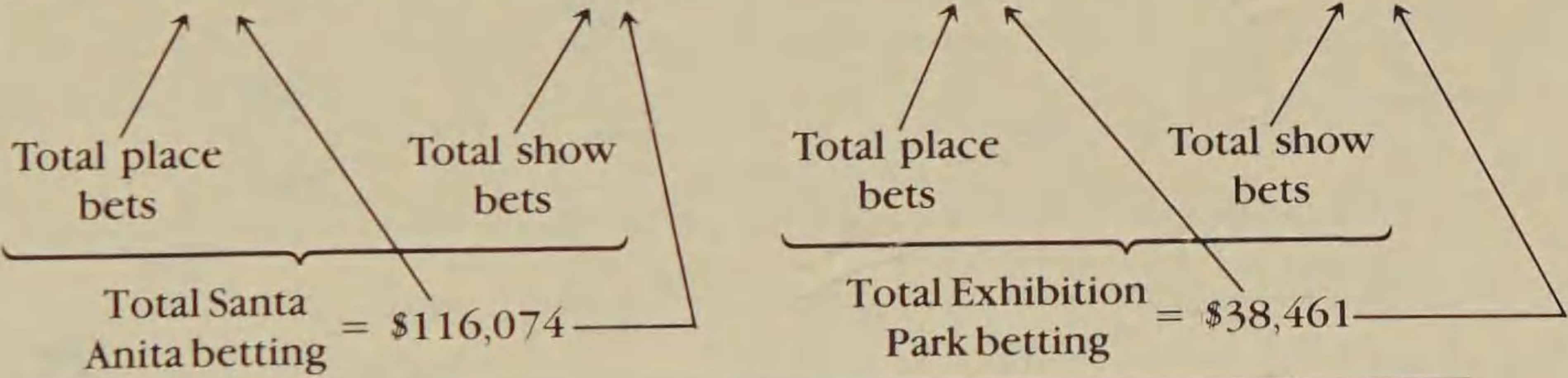
Track and Season	Number of Races	Track Take (\$)	Expected-Value Cutoff	Number of Dr. Z System Bets	Number of Bets Won	Percentage of Bets Won
Aqueduct 1981/82	380	15	1.14	124	68	55
Santa Anita 1973/74	627	15	1.14	192	114	59
Exhibition Park 1978	1,065	18.1	1.20	174	97	56
Exhibition Park 1980	90	17.1	1.20	22	16	73
Kentucky Derby Days ^a 1981, 1982, 1983	30	15	1.10	19	17	89
Totals and weighted averages	2,192	—	—	531	312	59

Track and Season	Percentage of Bets Won Weighted by Size of Bet	Total Money Wagered (\$)	Track Take (\$)	Total Profits (\$)	Average Payout per \$2 Bet (\$)	Rate of Return on Bets Made (\$)
Aqueduct 1981/82	65	42,686	6,403	3,792	3.33	8.9
Santa Anita 1973/74	69	51,631	7,745	2,837	3.16	5.5
Exhibition Park 1978	72	49,991	9,048	5,198	3.08	10.4
Exhibition Park 1980	77	5,403	924	1,216	3.18	22.5
Kentucky Derby Days ^a 1981, 1982, 1983	96	12,766	1,915	5,462	2.97	42.8
Totals and weighted averages	71	162,477	26,035	18,505	3.12	11.4

^aThe size of the Derby Day bets here are different from those in Chapters Ten, Eleven, and Twelve, because these optimal bets were calculated on the basis of an initial betting wealth of \$2,500.

TABLE 9.6 *Size distribution of Dr. Z system bets with \$10,000 initial betting wealth at Santa Anita in 1973/74 and Exhibition Park in 1978*

Size (\$)	Santa Anita				Exhibition Park			
	Place		Show		Place		Show	
	% of Bets	% of \$Bet	% of Bets	% of \$Bet	% of Bets	% of \$Bet	% of Bets	% of \$Bet
0-50	7.1	0.3	2.6	0.1	29.4	3.6	17.0	1.0
51-100	0	0	1.3	0.1	23.5	6.7	13.8	2.8
101-200	0	0	3.9	0.4	5.9	2.9	22.3	9.3
201-300	21.4	6.1	5.2	1.0	5.9	4.4	14.9	10.3
301-500	7.1	3.2	9.1	2.6	23.5	30.6	8.5	9.1
501-700	14.3	10.3	13.0	5.7	0	0	6.4	10.5
701-1,000	14.3	14.4	7.8	4.8	0	0	7.4	17.5
1,001+	35.8	65.7	57.1	85.3	11.8	51.8	9.7	39.5
<hr/>								
<i>n</i> = 14 \$11,932 <i>n</i> = 77 \$104,142 <i>n</i> = 17 \$4,954 <i>n</i> = 94 ^a \$33,507								



^aTwo of these bets had $EX_s^l \geq 1.20$ and $s_l^* = 0$.

The Kentucky Derby: The Most Exciting Two Minutes in Sports



The Pageantry

The Kentucky Derby is the world's most famous horse race. It is called the most exciting two minutes in sports. Since 1875, the country's best three-year-old thoroughbreds "run for the roses" at Churchill Downs in Louisville, Kentucky, on the first Saturday in May. The Derby is the first jewel of the triple crown of horse racing; it is followed by the Preakness and the Belmont Stakes. The winner receives a rose garland of some five hundred dark red roses, which, since 1932, has been hand sewn by Mrs. Kingsley Walker. The winning horse, jockey, trainer, and owner also share the substantial purse and racing immortality. The tradition and prestige of the race are immense, although hard to grasp fully without a visit to the Derby. The intensity of excitement builds as the prospects of the favorites for the Derby are evaluated in the early months of the year and culminates during Derby Week. For a full week, Louisville is alive with activities and enthusiasm much like those of football bowl games. There are parties, parades, Ohio river cruises, awards, and hundreds of reporters jostling amid the more than one hundred thousand visitors enjoying the atmosphere of mint juleps, fine weather, and lush surroundings, while they discuss the pros and cons of the various Derby hopefuls.

As many as twenty horses enter the $1\frac{1}{4}$ -mile race. Many more would like

to enter. The field is kept down by limiting it to the horses with the highest earnings from previous races. The legendary Secretariat in 1973 ran the fastest Derby and set the Churchill Downs track record of 1:59² for 1¼ mile. In fact, Secretariat is the only horse ever to have won the Derby in less than two minutes. Northern Dancer ran the course in two minutes flat in 1964. Figure 10.1 shows the ten fastest Derby races and how the horses might have finished. Remember that one-fifth of a second roughly equals one length. The times of different races are not really comparable, since track conditions are so variable. However, the Secretariat time is still a most remarkable feat.*

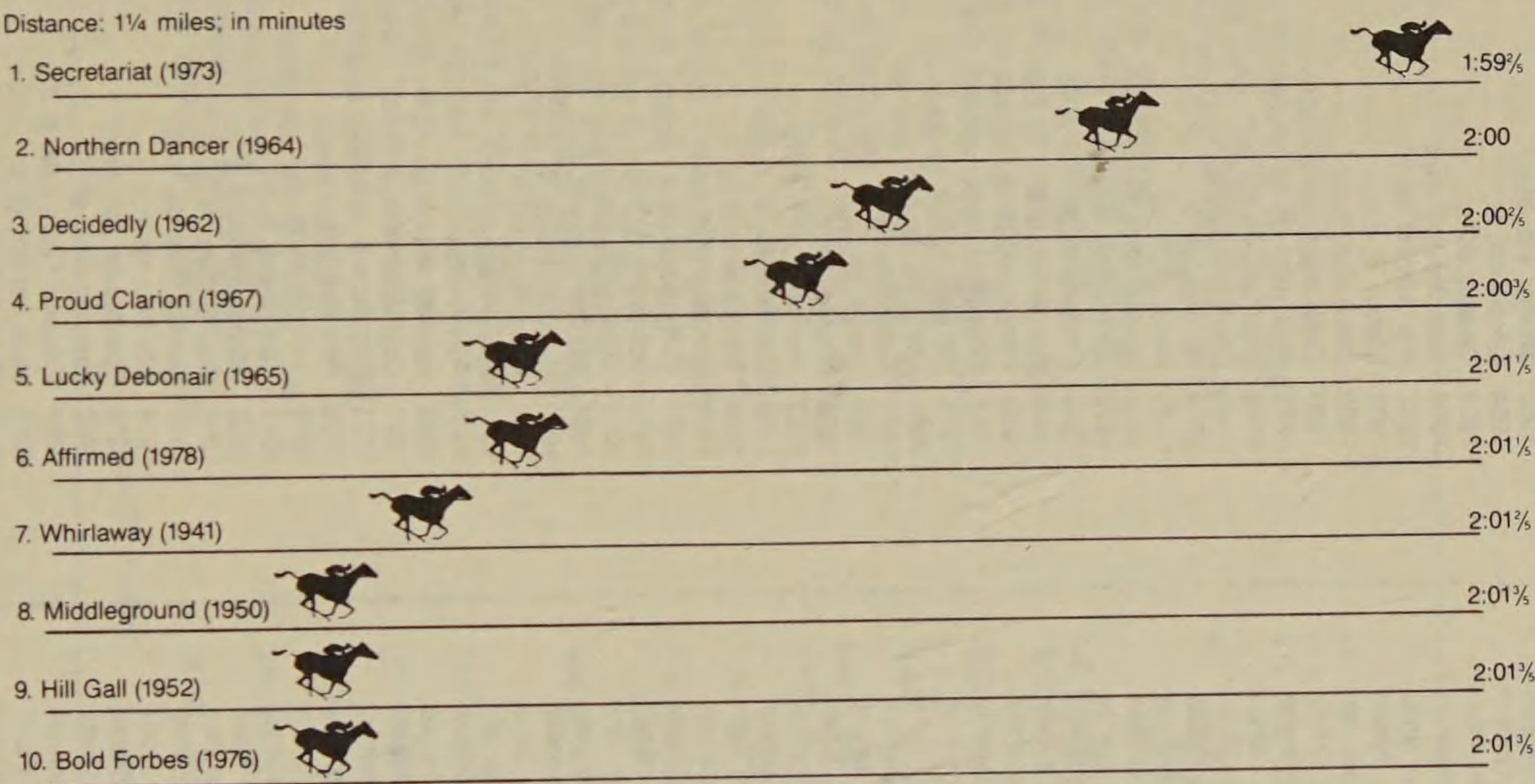


Figure 10.1 The ten fastest runnings of the Kentucky Derby

The usual starting gate with stalls for twelve horses is supplemented with a second gate to accommodate all twenty starters. This mass of horseflesh thundering in front of the stands for the first time is quite a sight. The huge number of starters means hard work for the jockeys, who try to angle for good positions. As a result of the difficulty of achieving good position and the intense competition, many prerace favorites falter badly in the Derby.

*Secretariat's performance in the Derby was the start of perhaps the greatest sequence of outstanding stakes victories in the history of thoroughbred racing. He broke the track record in the Preakness and Belmont Stakes, the latter by a full two seconds. He then broke two other track records. In all, he set records at five different distances at five different tracks. The chart of his Belmont Stakes victory appears in Chapter Four on page 44. Charts of the other races in 1973 appear in Quinn (1983; pp. 177 ff.).

Kentucky Derby Winners

YEAR	WINNER	OWNER
1875	Aristides, ch. c.	H. P. McGrath
1876	Vagrant, br. g.	William Astor
1877	Baden-Baden, ch. c.	Daniel Swigert
1878	Day Star, ch. c.	T. J. Nichols
1879	Lord Murphy, b. c.	Geo. W. Darden & Co.
1880	Fonso, ch. c.	J. S. Shawhan
1881	Hindoo, b. c.	Dwyer Bros.
1882	Apollo, ch. g.	Morris & Patton
1883	Leonatus, b. c.	Chinn & Morgan
1884	Buchanan, ch. c.	W. Cottrill
1885	Joe Cotton, ch. c.	J. T. Williams
1886	Ben Ali, br. c.	J. B. Haggin
1887	Montrose, b. c.	Labold Bros.
1888	Macbeth II, b. g.	Chicago Stable
1889	Spokane, ch. c.	Noah Armstrong
1890	Riley, b. c.	Edward Corrigan
1891	Kingman, b. c.	Jacobin Stable
1892	Azra, b. c.	Bashford Manor
1893	Lookout, ch. c.	Cushing & Orth
1894	Chant, b. c.	Leigh & Rose
1895	Halma, blk. c.	Byron McClelland
1896	Ben Brush, b. c.	M. F. Dwyer
1897	Typhoon II, ch. c.	J. C. Cahn
1898	Plaudit, br. c.	J. E. Madden
1899	Manuel, b. c.	A. H. & D. H. Morris
1900	Lieut. Gibson, b. c.	Charles H. Smith
1901	His Eminence, b. c.	F. B. VanMeter
1902	Alan-a-Dale, ch. c.	T. C. McDowell
1903	Judge Himes, b. c.	C. R. Ellison
1904	Elwood, b. c.	Mrs. C. E. Durnell
1905	Agile, b. c.	S. S. Brown
1906	Sir Huon, b. c.	George J. Long
1907	Pink Star, b. c.	J. Hal Woodford
1908	Stone Street, b. c.	C. E. Hamilton
1909	Wintergreen, b. c.	J. B. Respass
1910	Donau, b. c.	William Gerst
1911	Meridian, b. c.	R. F. Carman
1912	Worth, br. c.	H. C. Hallenbeck
1913	Donerail, b. c.	T. P. Hayes
1914	Old Rosebud, b. g.	H. C. Applegate
1915	Regret, ch. f.	H. P. Whitney
1916	George Smith, blk. c.	John Sanford
1917	Omar Khayyam, ch. c.	Billings & Johnson
1918	Exterminator, ch. g.	W. S. Kilmer
1919	Sir Barton, ch. c.	J. K. L. Ross
1920	Paul Jones, br. g.	Ral Parr
1921	Behave Yourself, b. c.	E. R. Bradley
1922	Morvich, br. c.	B. Block
1923	Zev, br. c.	Rancocas Stable
1924	Balck Gold, blk. c.	Mrs. R. M. Hoots
1925	Flying Ebony, blk. c.	G. A. Cochran
1926	Bubbling Over, ch. c.	Idle Hour Stock Farm
1927	Whiskey, b. c.	H. P. Whitney
1928	Reigh Count, ch. c.	Mrs. J. D. Hertz
1929	Clyde Van Dusen, ch. g.	H. P. Gardner
1930	Gallant Fox, b. c.	Belair Stud

YEAR	WINNER	OWNER
1931	Twenty Grand, b. c.	Greentree Stable
1932	Burgoo King, ch. c.	E. R. Bradley
1933	Brokers Tip, br. c.	E. R. Bradley
1934	Cavalcade, br. c.	Mrs. Dodge Sloane
1935	Omaha, ch. c.	Belair Stud
1936	Bold Venture, ch. c.	M. L. Schwartz
1937	War Admiral, br. c.	Glen Riddle Farm
1938	Lawrin, b. c.	Woolford Farm
1939	Johnstown, b. c.	Belair Stud
1940	Gallahadion, b. c.	Milky Way Farm
1941	Whirlaway, ch. c.	Calumet Farm
1942	Shut Out, ch. c.	Greentree Farm
1943	Count Fleet, br. c.	Mrs. John D. Hertz
1944	Pensive, ch. c.	Calumet Farm
1945	Hoop, Jr., b. c.	F. W. Hooper
1946	Assault, ch. c.	King Ranch
1947	Jet Pilot, ch. c.	Maine Chance Farm
1948	Citation, ch. c.	Calumet Farm
1949	Ponder, dk. b. c.	Calumet Farm
1950	Middleground, ch. c.	King Ranch
1951	Count Turf, b. c.	J. J. Amiel
1952	Hill Gail, b. c.	Calumet Farm
1953	Dark Star, br. c.	Cain Hoy Stable
1954	Determine, gr. c.	A. J. Crevolin
1955	Swaps, ch. c.	R. C. Ellsworth
1956	Needles, b. c.	D. & H. Stable
1957	Iron Liege, b. c.	Calumet Farm
1958	Tim Tam, dk. b. c.	Calumet Farm
1959	*Tomy Lee, b. c.	Fred Turner, Jr.
1960	Venetian Way, ch. c.	Sunny Blue Farm
1961	Carry Back, br. c.	Mrs. Katherine Price
1962	Decidedly, gr. c.	El Peco Ranch
1963	Chateaugay, ch. c.	Darby Dan Farm
1964	*Northern Dancer, b. c.	Windfields Farms
1965	Lucky Debonair, b. c.	Mrs. Ada L. Rice
1966	Kauai King, dk. b. c.	Michael J. Ford
1967	Proud Clarion, b. c.	Darby Dan Farm
1968	**Forward Pass	Calumet Farm
1969	Majestic Prince, ch. c.	Frank McMahon
1970	Dust Commander, ch. c.	Robert Lehmann
1971	Canonero II, b. c.	Edgar Calbett
1972	Riva Ridge, b. c.	Meadow Stable
1973	Secretariat, ch. c.	Meadow Stble
1974	Cannonade, b. c.	John M. Olin
1975	Foolish Pleasure, b. c.	John L. Greer
1976	Bold Forbes, dk. b. c.	E. R. Tizol
1977	Seattle Slew, dk. b. c.	Karen L. Taylor
1978	Affirmed, ch. c.	Harbor View Farm
1979	Spectacular Bid, gr. c.	Hawksworth Farm
1980	Genuine Risk, ch. f.	Mrs. Bertram Firestone
1981	Pleasant Colony, dk. b. c.	Buckland Farm
1982	Gato Del Sol, gr. c.	Hancock & Peters
1983	*Sunny's Halo, ch. c	D. J. Foster Stable

*Indicates an imported horse.

**Awarded first place after disqualification of winner.

Derby Details

- 1875—Aristides' time of 2:37³/₄ was the fastest mile and a half ever run in the United States by a three-year-old carrying 100 pounds.
- 1877—The official measurement of the track was one mile and seventeen inches around.
- 1886—Bookmakers did not operate at the track because of failure to reach a license agreement with the management.
- 1892 and 1905—The smallest fields that ever started a Derby went to the post — 3.
- 1895—On the west side of the track, the new grandstand with its twin spires was completed.
- 1896—The first Derby at a mile and a quarter distance was run.
- 1904—Mrs. Charles Elwood Durnell of Missouri was the first woman to own a Derby winner.
- 1913—Donerail, the longest-priced winner of a Derby, paid \$184.90 straight. Thomas P. Hayes of Lexington, Kentucky, was the last man to breed, own, and train a Derby winner.
- 1915—Regret won and is the first filly to have this distinction. She carried 112 pounds.
- 1917—Omar Khayyam (England) was the first imported horse to win a Derby. Tomy Lee (England) won in 1959. Northern Dancer (1964) was foaled in Canada but is not considered an imported horse.
- 1919—Sir Barton won the Derby and became the first of America's Triple Crown winners.
- 1920—This is the first year that all colts and geldings carried 126 pounds and fillies, 121.
- 1924—The Golden Jubilee Derby. The 14-karat gold cup, valued at \$5,000, was presented for the first time. Lemon & Son, jewelers, designed the cup.
- 1926—Radio Station WHAS broadcast the Derby locally for the first time.
- 1929—1.19 inches of rain fell making this the wettest Derby on record. Clyde Van Dusen was the first son of Man o' War to win a Derby. In 1937, War Admiral was the second and last.
- The first coast-to-coast broadcast of the Derby was heard over the National Broadcasting Company network.
- 1932—Since the use of the starting gate, the field was at the post for the longest time — 15½ minutes.
- 1933—Colonel E. R. Bradley won his fourth Derby with Brokers Tip. The trainer of the four winners was H. J. "Dick" Thompson. The names of all Bradley horses began with a "B".
- 1941—Whirlaway ran the Derby distance in 2:01²/₅, a record that stood for twenty-one years.
- 1945—Due to wartime restrictions, all racing was banned in the United States on January 3. With victory in Europe on VE Day, May 8, racing was resumed. The Derby was held on June 9. Only once before, April 29, 1901, was the Derby not run in May.
- 1948—Citation became the eighth Triple Crown winner and the first Thoroughbred to win over a million dollars in purses.
- 1952—The Derby was televised, live, nationally for the first time. Eddie Arcaro won his fifth Derby on Hill Gail, a record for one jockey and since tied by Bill Hartack.
- Ben A. Jones trained his sixth winner, also a record.
- 1964—Northern Dancer set a new track record for a mile and a quarter Derby — 2:00.
- 1969—Richard M. Nixon, 37th President, was first man in this office to attend the Derby.
- 1973—Secretariat, enroute to the first Triple Crown Championship in 25 years, wins the Derby in track record time of 1:59²/₅.
- 1974—100th Derby won by Cannonade, who earned \$274,000, the largest Derby purse in history.
- 1976—Bold Forbes defeats Honest Pleasure, the first horse ever to have more than \$1 million bet on him to win.
- 1977—Seattle Slew, at \$.50 to the dollar, wins the Derby and later a Triple Crown Championship.
- 1978—Steve Cauthen rides his first Derby and wins on Harbor View Farm's AFFIRMED, the second Triple Crown winner in as many years.
- 1979—Spectacular Bid, second horse to pass \$2 million in winnings (March 1980), wins Derby at \$.60 to the dollar.
- 1980—Genuine Risk, paying \$28.60, became the first filly in 65 years to win the Derby.

DERBY FACTS

RECORD GROSS PURSE — \$550,100 in 1982.

RECORD WINNER'S SHARE — \$428,850 to Gato del Sol in 1982.

LARGEST FIELD — 23 in 1974.

SMALLEST FIELD — Three in 1892 and 1905.

FASTEST RUNNING — Secretariat, 1:59 2/5 in 1973.

SLOWEST RUNNING — Stone Street, 2:15 1/5 in 1908.

SHORTEST-PRICED WINNERS — Count Fleet (1943) and Citation (1948, coupled with Coaltown), \$2.80.

LONGEST-PRICED WINNER — Donerail (1913), \$184.90.

MOST WINS, OWNER — Calumet Farm with eight (Whirlaway, 1941; Pensive, 1944; Citation, 1948; Ponder, 1949; Hill Gail, 1952; Iron Leige, 1957; Tim Tam, 1958; Forward Pass, 1968).

MOST WINS, TRAINER — Ben A. Jones with six (Lawrin, 1938; Whirlaway, 1941; Pensive, 1944; Citation, 1948; Ponder, 1949; Hill Gail, 1952).

MOST WINS, JOCKEY — Five apiece by Eddie Arcaro (Lawrin, 1938; Whirlaway, 1941; Hoop Jr., 1945; Citation, 1948; Hill Gail, 1952) and Bill Hartack (Iron Leige, 1957; Venetian Way, 1960; Decidedly, 1962; Northern Dancer, 1964; Majestic Prince, 1969).

FOREIGN-BRED WINNERS — English-bred Omar Khayyam (1917) and Tomy Lee (1959), Canadian-bred Northern Dancer (1964) and Sunny's Halo (1983).

WINNERS — 100 colts, seven geldings, two fillies (Regret, 1915, and Genuine Risk, 1980).

The Kentucky Derby Trophy

The gold cup presented to the winner of the Kentucky Derby was first designed for Churchill Downs president Matt Winn to commemorate the 50th anniversary of the race in 1924. Designed and produced by Lemon & Son, a prominent Louisville jeweller, the trophy has been given to every Derby winner's owner ever since.

The trophy is manufactured in New England from Lemon & Sons molds. The cup is 14k gold on a marble base. It is housed in a silk-lined mahogany case especially built to display the trophy.

To commemorate the 100th Kentucky Derby in 1974, a special version of the Derby cup was created. The horseshoe on the front face of the cup was studded with diamonds and emeralds, bringing the trophy's value to over \$16,000. Today with rising gold prices, the trophy without jewels is valued at nearly \$45,000.

At the Derby, the trophy, along with smaller silver replicas for the winning jockey and trainer, stands on the infield presentation stand above the winners circle. At the conclusion of the race the trophies are presented by the Governor of Kentucky and Churchill Downs president Lynn Stone.

The cups are left in Louisville for engraving and then are presented permanently to the winning owner, trainer and jockey. Prior to 1924, other types of trophies were given at the Kentucky Derby, generally pieces of antique silver. Today the Kentucky Derby trophy has become a familiar symbol of the greatest two minutes in sports.

For many of them, their careers never regain their prerace promise.

Despite this hazardous aspect, owners, trainers, and jockeys are willing year after year to try their best to have a Derby winner. In addition to the prestige and the nearly half-million-dollar purse, the owner can expect to see the value of his Derby-winning horse increasing by millions. Inflation and rising expectations have pushed the value of the best bloodstock to astronomical heights. Although the breeding performance of a stallion may be influenced significantly by his racing performance, his price reacts dramatically to this record, often quite out of proportion to its true importance.

Secretariat was syndicated in 1972 as a two-year-old for what was then a record \$6.08 million. The performances of this Triple Crown winner's sons and daughters have not yet measured up to their sire's brilliance. The average earnings of those of his offspring actually racing have been only \$25,485. Still, Secretariat's stud fee is a reputed \$80,000 for each of the approximately fifty-three mares he services each year. Half of this fee is paid in advance and half is paid when a live foal is delivered. Since he produced forty-seven live foals in 1982, three of which are the customary fee to Claiborne Farms in Paris, Kentucky, where he lives and breeds, Secretariat's annual gross income is about \$80,000 times 44, or about \$3.5 million. Although expenses such as insurance, a whopping 4%–5% or more of his value each year, are high and taxes and depreciation complicated, it is clear that the return is impressive. The stud fee is kept up by the bidding for the yearlings as they are sold at auction. Secretariat's yearlings averaged \$240,654 for his first five crops, although the price dropped to \$175,389 in 1982. Still, these prices may well justify the fee, especially if there is a glimmer of a hope of producing a new Secretariat.*

The Spectacle

Our first visit to Kentucky for the Derby was in 1981 for the 107th running of this classic race. The city of Louisville was one massive jam of cars and

*The 1982 horse of the year, Conquistador Cielo, was syndicated for \$36.4 million and commands a reputed \$150,000 stud fee. The famous thoroughbred breeding farms, such as Claumet, Claiborne, Elmendorf, Gainesway, Spendthrift, Tom Gentry, and others, are located in the Lexington, Kentucky, area, a scant two hours' drive away from Churchill Downs. Except for Calumet, these farms are generally open to the public by appointment. A good information guide is *The Complete Guide to Kentucky Horse Country*, Classic Publishers, Prospect, Kentucky 40059. A good guide for information on all aspects of the 108 runnings of the Derby up to 1982 is *The Kentucky Derby: Churchill Downs 1875–1983*, available at no cost from the Kentucky Thoroughbred Owners and Breeders Association, Box 4158, Lexington, Kentucky 40544.

people. All the hotels within 70 miles were full, even at two to five times their normal rates. Churchill Downs begins to fill up early in the morning, and racing begins at 11:30. About 46,000 people have the cherished reserved seats. Such seats are difficult to come by for newcomers, since most seats are reserved from year to year. The rest of the fans are allowed to roam the grounds and congregate in the field. They come by the thousands from all over the United States and Canada. Here are the Kentucky Derby statistics for 1983. They give you an idea of the current scope of the spectacle.

DETAILED BETS ON THE DERBY

	Win	Place	Show	Total
Slew O' Gold	\$ 237,766	\$100,751	\$79,622	\$418,139
Play Fellow	221,075	95,093	72,065	388,233
Balboa Native, Total ...				
Departure, Marfa (entry)	755,833	293,365	250,790	1,299,988
Chumming,				
Caveat (entry)	341,888	153,585	119,569	615,042
Desert Wine	156,182	73,181	49,583	278,946
Country Pine	54,466	20,255	20,543	95,264
Freezing Rain, Highland				
Park (entry)	107,732	46,352	51,069	205,153
Sunny's Halo	745,524	262,382	179,758	1,187,664
Current Hope	136,137	56,017	52,330	244,484
Parfaitement	62,467	26,526	28,376	117,369
Pax In Bello	103,898	47,250	37,251	188,399
Law Talk, Explosive				
Wagon, My Mac, Paris .				
Prince, Luv A Libra				
(field)	220,701	118,561	169,034	508,296
Totals	\$ 3,143,669	\$1,293,318	\$1,109,990	\$5,546,977

DETAILED BETS ON ALL RACES DERBY DAY

	Win	Place	Show	Total
First Race	\$ 147,291	\$69,932	\$62,113	\$279,336
Second Race	213,562	117,077	104,080	434,719
Third Race	314,811	164,875	141,625	621,311
Fourth Race	403,105	206,773	180,904	790,782
Fifth Race	447,119	235,323	195,902	878,344
Sixth Race	482,830	234,357	191,848	909,035
Seventh Race	520,042	274,738	240,612	1,035,392
Eighth Race (Derby)	3,143,669	1,293,318	1,109,990	5,546,977
Ninth Race	328,700	140,126	94,398	563,224
Tenth Race	332,499	116,186	74,033	522,718
Totals	\$ 6,333,628	\$2,852,705	\$2,395,505	\$11,581,838
Daily Double				269,689
Grand Total				\$11,851,527

DERBY DAY STATISTICS 1983

Derby souvenir glasses sold — 100,000	Betting windows — 1,000
Mint juleps sold — 80,000	Betting windows for wagers of at least \$50 — 50
Bourbon for juleps — 8,000 quarts	Average total betting per person for Derby Day — \$41.25
Ice for juleps — 60 tons	Average winnings per person — \$6.19
Mint for juleps — 150 bushels	Anti-gambling evangelists outside the Downs — 2
Soft drinks sold — 4,000 gallons	Length of ABC-TV broadcast — 90 minutes
Shrimp sold in clubhouse — 1,000 pounds	ABC-TV cameras covering the race — 24
Price for a platter of shrimp on Millionaires' Row — \$80	Passes for "working" press — 1,625
Hot dogs sold — 7 miles (73,920 dogs at 6 inches each)	Band members playing "My Old Kentucky Home" — 130
Price for a hot dog — \$1.50	Time to play "My Old Kentucky Home" — 2:30
Beer sold — 1,500 16-gallon kegs (two-thirds in the infield)	Millionaires on Millionaires' Row — 2,336
Total commodes and urinals — 890:	Total Downs seating — 45,094
In the grandstand — 230	Former presidents, Republican — 1
In the clubhouse — 300	Former presidents, Democrat — 1
On Millionaires' Row — 60	Vice presidents — 1
In the infield — 250	Democratic governors from out of state — 6
Portable units — 50 (half in the infield)	Democratic governors from Kentucky — 1
Trash cans — 500	Republican governors — 0
Trash — 21.6 truckloads (975 cubic yards)	Members of Congress — 6
Post-Derby clean-up workers — 300	Famous sports figures (not linked to horse racing) — 7
Tulip blossoms — 14,000	Members of royalty — 2
Daily Racing Forms sold — 20,000	Actors — 11
Spires — 1 pair	Ex-Yippies — 1
Men wearing hats with twin spires — 1	

On May 2, 1981, despite rather cool weather in the 50s, 144,000 were in attendance. It was a great event for us. But could we apply the Dr. Z system? We knew the pools would be astronomical, so last-minute betting would not affect the odds much. But could we get near the windows to place a bet just before each race was run? We were quite pleased and surprised to find that despite the huge crowd, conditions were amazingly good for the Dr. Z system. There were the usual infield tote boards, which people from the stands use to follow the betting activities. There also is a convenient tote board in the back of the grandstand. It is near the paddock area where the horses appear with their jockeys, trainers, and owners to discuss last-minute strategy prior to each race. Opposite the tote board and paddock is a small row of ticket windows. Since this area is far away from the track, it clears out prior to each race when the patrons scramble to get a good view of the race on nearby closed-circuit TV sets. With such a huge crowd the area did not completely clear out, but we had the enviable opportunity to stand in short, two- to five-deep lines and watch the tote board. Thus we could easily make bets well within one minute of post time, and we were routinely making them with fifteen to thirty seconds to go.

Churchill Downs

Sweep's Graded Handicap

FIRST RACE-5 Furlongs. 11:30 EDT

2-Year-Olds, Colts and Geldings. Maiden Special weights. Purse \$8,400.

P.P.	Horse	Jockey	Wgt	Odds
1	Good n' Dusty	No Rider	122	
3	Big Sandy Magnet	Gonzalez R Jr	122	
8	Don's First Bid	Tauzin L	122	
2	Rash Investment	Sayler B	122	
4	Richwood Lad	Breen R	122	
5	The Great Upheave	Bullard B A	5117	
6	Big J B	Wirth B	7115	
7	Bronze N' Bold	Romero R P	122	
9	Shilling	Melancon L	122	
10	The Big E.	Espinoza J C	122	
11	Sunset Mark	Sayler B	122	

COUPLED-Rash Investment and Sunset Mark; Big Sandy Magnet and The Great Upheave; Richwood Lad and Shilling.

SECOND RACE-6 Furlongs. 12:15 EDT

3-Year-Olds. Claiming (\$15,000 to \$13,000). Purse \$8,900.

1	English Squire	No Rider	117	1-1
7	Bloomer Ridge	Tauzin L	113	4-1
4	Good Grip	Sipus E J	113	6-1
5	Pleasure Man	Romero R P	117	8-1
8	Tru Touch	McKnight J	117	8-1
2	Grandpa's Jamie	Bullard B A	5108	15-1
9	Lid	Morgan M R	113	15-1
3	Captain J. J.	Ramos A	113	30-1
6	Twibil	Nicolo P	117	30-1

COUPLED-Grandpa's Jamie and Lid.

THIRD RACE-6 Furlongs. 1:00 EDT

4-Year-Olds and Up. Claiming (\$10,000 to \$9,000). Purse \$7,800.

1	Lavalier	Delahoussaye E	118	3-1
3	Jeffervescent	Lively J	117	4-1
9	Cosmic Jove	No Rider	117	6-1
13	Bridgets Boy	Foster D E	117	5-1
6	Navajo Warrior	Bullard B A	5112	8-1
12	Revised	Whited D E	117	8-1
14	Play Havoc	Breen R	117	8-1
5	Barrister Sib	No Rider	117	10-1
8	Seven Diplomats	Wirth K	117	15-1
10	Big Hock	Day P	117	15-1
11	Jimminy Crockett	Melancon L	117	15-1
4	Master Smart	No Rider	117	20-1
2	Rapid Trace	Beech J Jr	113	30-1
7	Another Ali	Burns C W	117	30-1
15	Breezy Jester	Whited D E	117	8-1

COUPLED-Revised and Breezy Jester.

FOURTH RACE-1 1/8 Miles. 1:50 EDT

4-Year-Olds and Up. Claiming (\$18,000 to \$16,000). Purse \$10,500.

9	Bag of Fish	Romero R P	117	4-1
12	Bordeaux Native	Sipus E J	113	5-1
11	Most Decidedly	Ledezma C	117	6-1
4	Mister Guy	No Rider	117	6-1
1	Easy Diggin	Melancon L	117	8-1
3	Bright Desi	Whited D E	117	10-1
6	Marileo	Espinoza J C	117	10-1
8	Snow Seed	Whited D E	117	10-1
10	Torsions Lad	Snyder L	113	10-1
2	Judy's Joker	No Rider	113	15-1
5	Peremptory	Cordero A Jr	110	20-1
7	Mark Him Great	Warner T	117	30-1

COUPLED-Bright Desi and Snow Seed.

FIFTH RACE-6 Furlongs. 2:40 EDT

3 & 4-Year-Olds. Allowance. Purse \$9,900.

1	Illhandleit	Romero R P	110	3-1
2	Ixtapan	Melancon L	110	4-1
4	Manny T.	Whited D E	113	4-1
7	Super Ridge	Delahoussaye E	120	5-1
6	Greek Minstrel	No Rider	113	8-1
5	A Toast to Harry	Wirth K B	110	10-1
3	Shot N' Missed	Foster D E	120	12-1
9	Big Bragger	No Rider	110	20-1
8	Lagnaf	Bowlds M A	110	30-1

SIXTH RACE-5 Furlongs.

3:30 EDT

81st Running DEBUTANTE STAKES ALLOWANCE. 2-Year-Olds, Fillies. . Purse \$25,000 Added.

3	Cypress Bay	Dellie D	119	5-2
4	Mystical Mood	Velasquez J C	119	3-1
10	Miss Preakness	Espinoza J C	119	5-1
1	Shoo Fly Shecky	Romero R P	114	6-1
9	Priceless Hero	McKnight J	119	8-1
12	Top Canary	Cordero A Jr	119	8-1
11	Pure Platinum	Day P	119	15-1
2	Ali's Oolah	Sayler B	114	20-1
5	Trunk Line	Martinez L J	114	15-1
6	Amazing Love	No Rider	114	6-1
7	Betty Money	Sayler B	114	20-1
8	Kirby	Melancon L	114	20-1

COUPLED-Shoo Fly Shecky and Amazing Love; Ali's Oolah and Betty Money; Trunk Line and Pure Platinum.

SEVENTH RACE-1 1/8 Miles.

4:20 EDT

3-Year-Olds. Allowance. Purse \$50,000.

4	Mythical Ruler	Wirth K B	122	4-5
2	Master Tommy	Lively J	117	2-1
5	What It Is	Espinoza J C	119	10-1
3	Marion Frances	Breen R	113	12-1
7	Cornish Music	No Rider	113	12-1
6	Poona's Stage	No Rider	113	15-1
1	Fast Earl	No Rider	113	20-1

EIGHTH RACE-1 1/4 Miles.

5:38 EDT

107th Running KENTUCKY DERBY SCALE WEIGHT (Grade I). 3-Year-Olds. . Purse \$200,000 Added.

5	Proud Appeal	Fell J	126	2-1
7	Pleasant Colony	Velasquez J	126	4-1
16	Cure the Blues	Shoemaker W	126	4-1
19	Tap Shoes	Hernandez R	126	6-1
15	Bold Ego	Lively J	126	8-1
1	Splendid Spruce	McHargue D M	126	15-1
11	Woodchopper	Delahoussaye E	126	20-1
13	Classic Go Go	Black A S	126	12-1
2	Golden Derby	Espinoza J C	126	2-1
12	Well Decorated	MacBeth D	126	30-1
4	Double Sonic	Thornburg B	126	12-1
9	Noble Nashua	Asmussen C B	126	30-1
10	Hoedown's Day	Chapman T M	126	12-1
3	Partez	Hawley S	126	12-1
17	Beau Rit	Rubbicco P	126	12-1
18	Television Studio	Whited D E	126	12-1
8	Pass the Tab	Pincay L Jr	126	30-1
6	Habano	Feliciano B R	126	12-1
14	Top Avenger	Snyder L	126	50-1
20	Wayward Lass	Asmussen C B	121	30-1

COUPLED-Golden Derby and Proud Appeal; Noble Nashua and Wayward Lass.

NINTH RACE-6 Furlongs.

6:50 EDT

4-Year-Olds and Up. Allowance. Purse \$13,500.

4	Rossi Gold	Day P	119	8-5
6	Samoyed	Shoemaker W	119	3-1
5	Conge	Romero R P	122	4-1
3	Sun Czar	Whited D E	117	8-1
2	Mountain Native	Melancon L	115	8-1
1	Iron Pegasus	No Rider	119	15-1
7	Phillip J. C.	Marino A G	115	15-1
8	Straight and Smart	White R D	7112	20-1

TENTH RACE-1 1/8 Miles.

7:35 EDT

3 & 4-Year-Olds. Allowance. Purse \$10,500.

12	Lothian	Hernandez R	120	2-1
5	Sorroto	No Rider	120	4-1
6	Hard Silver	Pincay L Jr	123	6-1
9	Tan U Tell	No Rider	110	8-1
2	Wolfgang Grr	Martinez L J	110	10-1
4	D. J. Road	Delahoussaye E	113	10-1
3	Mr. Bobeva	Delahoussaye E	110	10-1
8	Goat Burchett	Feliciano B R	120	15-1
11	Clearly Proud	Melancon L	110	15-1
1	Crimson Spruce	Day P	110	20-1
7	Salad King	Sayler B	110	20-1
10	Right J. G.	Whited D E	110	20-1

COUPLED-Mr. Bobeva and D. J. Road.

Jockey Standings

Jockey	Starts	1st	2nd	3d
Pincay, L. Jr.	503	119	105	61
Gall, D.	540	106	93	93
Sibille, R.	515	105	82	70
Baze, R. A.	511	99	93	79
Delahoussaye, E.	506	90	84	74
Pettinger, D. R.	485	89	72	67
Migliore, R.	517	88	79	57
Vigliotti, M. J.	487	87	75	60
Fell, J.	451	85	67	59
Cooksey, P. J.	506	84	70	53

(January 1 through April 28, inclusive.)

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Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Trackman, Graham Ross

CHURCHILL DOWNS

Selections Made for Fast Track

	TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
1	BIG SANDY MAGNET GOOD N' DUSTY BRONZE N' BOLD	GOOD N' DUSTY BRONZE N' BOLD RASH INVESTMENT	GOOD N' DUSTY BRONZE N' BOLD THE BIG E.	GOOD N' DUSTY BIG SANDY MAGNET DON'S FIRST BID	GOOD N' DUSTY BIG SANDY MAGNET DON'S FIRST BID	GOOD N' DUSTY BIG SANDY MAGNET BRONZE N' BOLD	22 9 5
2	TRU TOUCH BLOOMER RIDGE LID	ENGLISH SQUIRE GOOD GRIP TRU TOUCH	ENGLISH SQUIRE TRU TOUCH PLEASURE MAN	ENGLISH SQUIRE TRU TOUCH GOOD GRIP	ENGLISH SQUIRE BLOOMER RIDGE GOOD GRIP	ENGLISH SQUIRE TRU TOUCH BLOOMER RIDGE	22 10 4
3	COSMIC JOVE LAVALIER JEFFERVESCENT	LAVALIER BIG HOCK BARRISTER SIB	BIG HOCK LAVALIER BARRISTER SIB	BARRISTER SIB COSMIC JOVE REVISED	LAVALIER JEFFERVESCENT COSMIC JOVE	LAVALIER COSMIC JOVE BIG HOCK	14 8 7
4	PEREMPTORY JUDY'S JOKER BAG OF FISH	JUDY'S JOKER MISTER GUY BAG OF FISH	BAG OF FISH EASY DIGGIN BORDEAUX NATIVE	JUDY'S JOKER MISTER GUY BAG OF FISH	BAG OF FISH BORDEAUX NATIVE MOST DECIDEDLY	BAG OF FISH JUDY'S JOKER PEREMPTORY	13 12 5
5	GREEK MINSTREL ILLHANDLEIT MANNY T.	GREEK MINSTREL ILLHANDLEIT SUPER RIDGE	MANNY T. SUPER RIDGE GREEK MINSTREL	MANNY T. GREEK MINSTREL IXTAPAN	ILLHANDLEIT IXTAPAN MANNY T.	GREEK MINSTREL MANNY T. ILLHANDLEIT	13 12 9
6	MYSTICAL MOOD MISS PREAKNESS PRICELESS HERO	CYPRESS BAY MISS PREAKNESS BETTY MONEY	CYPRESS BAY MYSTICAL MOOD MISS PREAKNESS	CYPRESS BAY MISS PREAKNESS MYSTICAL MOOD	CYPRESS BAY MYSTICAL MOOD MISS PREAKNESS	CYPRESS BAY MYSTICAL MOOD MISS PREAKNESS	20 10 8
7	MYTHICAL RULER WHAT IT IS POONA'S STAGE	MYTHICAL RULER MASTER TOMMY WHAT IT IS	MYTHICAL RULER MASTER TOMMY WHAT IT IS	MYTHICAL RULER WHAT IT IS MASTER TOMMY	MYTHICAL RULER MASTER TOMMY WHAT IT IS	MYTHICAL RULER WHAT IT IS MASTER TOMMY	33 7 7
8	PLEASANT COLONY PROUD APPEAL DOUBLE SONIC	PROUD APPEAL SPLENDID SPRUCE BOLD EGO	PROUD APPEAL CURE THE BLUES PLEASANT COLONY	PROUD APPEAL CURE THE BLUES TAP SHOES	PROUD APPEAL PLEASANT COLONY CURE THE BLUES	PROUD APPEAL PLEASANT COLONY CURE THE BLUES	22 8 5
9	SUN CZAR IRON PEGASUS ROSSI GOLD	ROSSI GOLD CONGE IRON PEGASUS	CONGE ROSSI GOLD IRON PEGASUS	ROSSI GOLD SUN CZAR CONGE	ROSSI GOLD SAMOYED CONGE	ROSSI GOLD CONGE SUN CZAR	18 9 7
10	LOTHIAN WOLFGANG GRR MR. BOBEVA	LOTHIAN CRIMSON SPRUCE D. J. ROAD	SORROTO LOTHIAN MR. BOBEVA	LOTHIAN WOLFGANG GRR MR. BOBEVA	LOTHIAN SORROTO HARD SILVER	LOTHIAN SORROTO WOLFGANG GRR	22 7 4

The Dr. Z System Bets

The first Dr. Z system bet occurred in the third race on Jeffervescent. He was a California horse with a reasonably good record, having finished in the money in eleven of his twenty-two starts. He was dropping in class and coming off a layoff, with this his first start of 1981.

Betting a horse that is coming off a substantial layoff is always a great risk, so we were cautious regarding Jeffervescent and would not make a large bet. At the end of the betting, the tote board stood as follows:

	Totals	#4 Jeffervescent
Odds		7-2
Win	317,312	58,621
Show	139,742	15,825

START 6 FURLONGS FINISH		WIN	PLACE	SHOW
		3		
CLAIMING PURSE \$7,800 FOUR-YEAR-OLDS AND UPWARD, 122 lbs. Non-winners of two races since April 1 allowed 3 lbs. of a race since then, 5 lbs. Claiming Price \$10,000 for each \$500 to \$9,000, 2 lbs. (Races where entered for \$8,000 or less not considered.)				
Track Record—BENEDICTO (6) 117 lbs.; 1:09½; May 13, 1961 AMBER BREAK (6) 116 lbs.; 1:09½; Nov. 25, 1970 BARBIZON STREAK (3) 122 lbs.; 1:09½; May 22, 1971				
MAKE SELECTION BY NUMBER				
	Owner	Trainer	Jockey/Morn. Line	
1	HEIDI HO STUD (W. W. Hopkins) Orange, Brown "HH" Orange Cap REVISED Dk.b. or br.g.(1977), Toga Mio—Glow Lady Glow	D. R. VANCE	DAVID WHITED (Post Pos. 10) \$10,000	6
1a	HEIDI HO STUD (W. W. Hopkins) Orange, Brown "HH" Orange Cap BREEZY JESTER Dk.b. or br.g.(1976), Venetian Jester—Breezy X	D. R. VANCE	DAVID WHITED (Post Pos. 12) \$10,000	6
2	T. D. ACKEL Green, Green "AAA" on White Triangle, Green Chevrons on White Sleeves, Green Cap LAVALIER Gr.g.(1977), Gage Line—Scissile	OWNER	EDDIE DELAHOUSSE (Post Pos. 1) \$10,000	3
3	JAMES CARSON Flamingo, Black "C," Black Bars on Sleeves Black Cap RAPID TRACE B.g.(1975), Royal Trace—Better Sister	OWNER	JOHN BEECH, JR. (Post Pos. 2) \$9,000.	20
4	ROBERT SULLIVAN Red, White Flying "F" Red Cap JEFFERVESCENT B.g.(1975), Windy Sands—Cliche With Love	W. H. FIRES	JOHN LIVELY (Post Pos. 3) \$10,000	8
5	HOWARD PRIDDY AND DELORIS MEREDITH White, Green Stripes, Yellow Sleeves, Green Cap MASTER SMART B.g.(1977), El Bat—Lucy Flew	J. E. HIKES	DARRELL FOSTER (Post Pos. 4) \$10,000	9-2
6	J. H. RUTTER White, Black "R" on Gold Crown, Black Bars on Sleeves White Cap BARRISTER SIB B.g.(1974), Somebody II—Holme's Rough	W. I. MOTT	ALBERTO RAMOS (Post Pos. 5) \$10,000	8
7	J. E. SOWARDS Red, White Bar "S," Blue Stars on White Sleeves Red Cap NAVAJO WARRIOR Dk.b. or br.g.(1977), Navajo—Salad	OWNER	BRENT BULLARD (Post Pos. 6) \$10,000	20
8	C. V. QUEEN Green, White "Q," White Bars on Sleeves Green Cap SEVEN DIPLOMATS B.g.(1977), Diplomat Way—Overton Miss	JERRY BURKHART	KEVIN B. WIRTH (Post Pos. 7) \$10,000	20
9	C. B. BENJAMIN Orange, White Hoops White Cap COSMIC JOVE Gr.g.(1976), Northern Jove—Cosmic Motion	T. W. KELLEY	RANDY ROMERO (Post Pos. 8) \$10,000	5
10	HASSI SHINA & LEO ARNOLD Navy, Yellow Belt, Yellow Bars on Orange Sleeves Navy Cap BIG HOCK B.h.(1975), Caribbean Line—Lotta Rhythm	LEO ARNOLD	PAT DAY (Post Pos. 9) \$9,500.	8
11	J. C. CRAIG Purple, Orange "JCC," Orange Bars on Sleeves Purple Cap PLAY HAVOC B.g.(1976), Winning Hit—Tracy Brite	JAMES TULLY	ROBERT BREEN (Post Pos. 11) \$10,000	8
1 and 1a—HEIDI HO STUD Entry Scratched—ANOTHER ALI, JIMMINEY CROCKETT, BRIDGETS BOY				
Selections 2—5—9—1				

The track take is 15% in Kentucky. Using equation (4.4), we calculated the expected value per dollar bet at 1.21. Our betting fortune was \$1,000, which indicated a bet of \$62. Jeffervescent won the race and paid a handsome \$5.20 to show. This provided a \$99.20 profit for our \$62 bet. The chart of the race was as follows:

THIRD RACE
Churchill
MAY 2, 1981
6 FURLONGS. (1.09 1/5) CLAIMING. Purse \$7,800. 4-year-olds and upward. Weight, 122 lbs. Non-winners of two races since April 1 allowed 3 lbs.; of a race since then, 5 lbs. Claiming price \$10,000; for each \$500 to \$9,000 allowed 2 lbs. (Races where entered for \$8,000 or less not considered.)

Value of race \$7,800, value to winner \$5,070, second \$1,560, third \$780, fourth \$390. Mutuel pool \$624,643.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	Str	Fin	Jockey	Cl'gPr	Odds \$1
11Aug80	10ar 7						2-2	1-1†	1-1†	1-1†	Lively J	10000	3.50
10Apr81	100P 12	b	6	117	3	6	6hd	2†	2-2	2-2†	Breen R	10000	8.20
25Apr81	5CD 9	b	5	117	11	2	1-1	3hd	3-1	3hd	Foster D E	10000	6.70
23Mar81	5Hia 3	b	5	117	8	7	7hd	7-1	5-1	4-1†	Romer J R P	10000	8.80
7Apr81	5OP 3						12	9†	8-3	5no	Whited D E	10000	a- 11.40
25Apr81	5CD 7	b	6	117	9	3	10-2	8†	7hd	6nk	Day P	9500	13.20
2Apr81	5FG 2	b	7	117	5	12	8hd	6-4	4hd	7-2†	Ramos A	10000	5.30
14Apr81	2Kee 6	b	4	117	7	8	5-1	4†	6hd	8-1†	Wirth K	10000	42.60
13Feb81	8FG 8						3hd	5†	9-2	9-2†	Pincay L Jr	10000	3.00
25Apr81	3CD 5						4hd	10-1	10†	10†	Chapman T M	10000	a- 11.40
22Apr81	1Kee 4	b	4	112	6	5	9†	12	11-2	11-2†	Bullard B A-S	10000	31.30
18Apr81	4Beu 4						11-1	11hd	12	12	Beech J Jr	9000	43.00

a-Coupled: Revised and Breezy Jester.

OFF AT 1:01 EDT. Start good. Won ridden out. Time, :22, :45 2/5, :57 4/5, 1:11 Track fast.

\$ 2 Mutuel Prices:
4- JEFFERVESCENT..... 9.00 5.80 5.20
11- PLAY MAVOC..... 10.60 7.20
5- MASTER SMART..... 6.00

B. 9, by Windy Sands-Cliche With Love, by Four-and-Twenty. Trainer Fires William M. Bred by Linehan W J (Cal).
JEFFERVESCENT, hustled up to prompt the early pace, took command approaching the lane and was ridden out to the wire. PLAY MAVOC, allowed to settle early, came up to challenge entering the lane, could not match the winner but was clearly second best. MASTER SMART, away alertly and quickly in command, dropped back approaching the lane and had no late rally. COSMIC JOVE lacked the needed response. BIG HOCK raced wide. BARRISTER SIB could not sustain a bid in the lane. LAVALIER had brief speed, as did BREEZY JESTER.

Owners- 1, Sullivan Robert; 2, Craig J C; 3, Priddy Howard & Meredith Delores; 4, Benjamin C B; 5, Heidi Mo Stud; 6, Arnold L & Shina M; 7, Rutter J H; 8, Queen C V; 9, Ackel Thad D; 10, Heidi Mo Stud; 11, Sowards J E; 12, Carson James.

Corrected weight: Lavalier 117 pounds. Overweight: Rapid Trace 1 pound.

Jeffervescient was claimed by Schmidt H C; trainer, Casse Mark; Play Havoc was claimed by Allen W M; trainer, Loyd Jack C; Cosmic Jove was claimed by Miller W R; trainer, Chalk Ted W; Revised was claimed by

Isaacs George; trainer, same; Big Hock was claimed by Hopkins W W; trainer, Vance David R; Lavalier was claimed by

Davis Paul; trainer, Davis Mike.

Scratched- Another Ali(1May80 9CD 6); Jimminey Crockett(25Apr81 5CD 8); Bridgets Boy(31Mar81 6Lat 2).

The fifth race was an allowance race for three-year-olds who had never won a race other than a maiden or a claiming. Hence it was filled both with horses with mediocre records and those who were upcoming horses. Shot N' Missed had finished second in his only race and was awarded first place through a disqualification. His speed rating of 90 in the short 4½-furlong race was reasonably good for this group.

6 FURLONGS

ALLOWANCE

PURSE \$9,900

WIN

PLACE

SHOW

5

THE REFLECTED GLORY

(Plus \$2,800 from the Kentucky Thoroughbred Development Fund)

THREE AND FOUR-YEAR-OLDS WHICH HAVE NEVER WON A RACE OTHER THAN MAIDEN OR CLAIMING. Three-year-olds, 113 lbs.; four-year-olds, 123 lbs. Non-winners of a race other than claiming since April 3 allowed 3 lbs.

Track Record

BENEDICTO (6) 117 lbs.; 1:09½ s.; May 13, 1961

AMBER BREAK (6) 116 lbs.; 1:09½ s.; Nov. 25, 1970

BARBIZON STREAK (3) 122 lbs.; 1:09½ s.; May 22, 1971

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	A. M. STALL, EARL BURKE AND J. R. QUERBES	FRANK BROTHERS	7-2
	White, Blue Diamond Frames, Blue Cap		RANDY ROMERO
	ILLHANDLEIT 110		
	Dk.b. or c.(1978), Hold Your Peace—Flo Mar		
2	A. J. FOYT, JR.	A. J. FOYT III	9-2
	Orange, White "AJ," Black and White Blocked Sleeves		LARRY MELANCON
	Orange Cap		
	IXTAPAN 110		
	B.g.(1978), Nalees Man—Reverse English		
3	MRS. CONNIE PATTON	THOMAS PATTON	15
	Orange, Black Diamond, Black Bars on Sleeves		DARRELL FOSTER
	Orange Cap		
	SHOT N' MISSED 120		
	B.g.(1977), Naskra—Guest Shot		

4	DAN LASATER	D. R. VANCE	5-2
	Red, White "L," Yoke and Sleeves		DAVID WHITED
	Red Cap		
	MANNY T. 113		
	B.c.(1978), What A Pleasure—Honky Star		
5	T. E. WETTERER	KENNETH BURKHART	6
	Red, Red "W" on Black Ball, Black Dots		KEITH F. WIRTH
	Red Cap		
	A TOAST TO HARRY 110		
	B.g.(1978), Bravest Roman—Tropical Eve		
6	CARMINE-ESPINO STABLE	G. T. POOLE III	10
	(Carmine Oliverio and Richard Esposito)		TOMMY BARROW
	Green, Wh. Circ. "CE," Grn. Diam. on Wh. Slvs., Grn. Cap		
	GREEK MINSTREL 113		
	B.c.(1978), Tudor Grey—Pretty Poesy		
7	W. G. CLARK	W. H. FIRES	5
	White, Brown Sash		EDDIE DELAHOUSAYE
	White Cap		
	SUPER RIDGE 120		
	B.c.(1977), Riva Ridge—Midnight Madrigal		
8	J. P. BOWLDS	OWNER	20
	Black, White Cross Sashes, Red Sleeves		MICHAEL BOWLDS
	Black Cap		
	LAGNAF 110		
	B.g.(1978), Captain Lex—Belle Echo		
9	T. A. Grissom Stable (T. A. Grissom)	Stig Rasmussen	20
	White, Red "G," Gold Cuffs		WILLIAM SHOEMAKER
	Red Cap		
	BIG BRAGGER 110		
	B.c.(1978), Cougar II—Boasting		

Selections 4—1—2—7

Near post time the expected value on Shot N' Missed was 1.31, which indicated a bet of \$197. The tote board at post time was

	Totals	#3 Shot N' Missed
Odds		5—2
Win	474,181	108,367
Show	206,585	25,760

Ixtapan won the race, followed by Lagnaf, and Shot N' Missed took third. The show payoff on Shot N' Missed was a substantial \$4.40 for a 5—2 shot. The 1.28 expected value, plus the fact that the favorite in the race, Manny T., finished out of the money, while two longer-priced horses were in the money, caused the high payoff. Our bet of \$197 returned \$433.40, for a profit of \$236.40.

FIFTH RACE
Churchill
MAY 2, 1981
6 FURLONGS. (1.09 1/5) ALLOWANCE. Purse \$9,900 (plus \$2,800 from KTDF). 3- and 4-year-olds which have never won a race other than maiden or claiming. Weight, 3-year-olds, 113 lbs.; 4-year-olds, 123 lbs. Non-winners of a race other than claiming since April 3 allowed 3 lbs.

Value of race \$12,280, value to winner \$8,255, second \$2,540, third \$990, fourth \$495. \$420 reverts to the KTDF. Mutuel pool \$911,308.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	Str	Fin	Jockey	Odds \$1
9Apr81 40P 1	Ixtapan		3	112	2	9	5	+	6	+	1-1 st Melancon L	5.10
16Apr81 8Kee 6	Big Bragger	b	3	110	9	3	9		5	+	2 nd Shoemaker W	24.30
21Mar81 36rd 1	Shot M ^r Missed	b	4	120	3	5	1-1		1-1		3-1 Foste: D E	2.80
25Apr81 6CD 2	Manny T.	b	3	113	4	8	6 ^{hd}		3 ^{hd}		4-2 nd Whited D E	2.50
25Apr81 6CD 7	Super Ridge		4	120	7	1	8-5		7 ^{hd}		5-2 nd Delahoussaye E	9.20
4Apr81 5Kee 6	Ilhandleit	b	3	113	1	4	3 ^{hd}		5 ^{hd}		6 ⁺ Romero R F	6.10
25Apr81 6CD 11	Lagnaf		3	110	8	2	7 ^{hd}		4 ^{hd}		7-4 th Boulds M A	72.20
10Apr81 4Kee 2	Greek Minstrel	b	3	116	6	7	4-2		8-2		8-10 Barrow T	7.70
25Apr81 4CD 3	A Toast to Harry	b	3	115	5	6	2-3		2-2		9 th Wirth K B	11.10


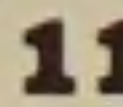

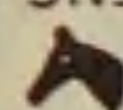

OFF AT 2:40 EDT. Start good. Won driving. Time, :21 4/5, :45 1/5, :58, 1:10 4/5 Track fast.

\$ 2 Mutuel Prices:

2- IXTAPAN.....	12.20	5.80	4.00
9- BIG BRAGGER.....		14.20	5.20
3- SHOT M ^r MISSED.....			4.40

B. g, by Malees Man-Reverse English, by Reverse. Trainer Foyt Anthony J III. Bred by Jones B C (Ky). clear. BIG BRAGGER, off last and unhurried early, launched a bold bid when set down for the drive and was up in the final furlong to draw most of the way and weakened against the top two in the late stages. MANNY T. LAUNCHED a bid upper stretch but could not sustain it. A TOAST TO HARRY prompted the early pace and gave way.

Owners- 1, Foyt A J Jr; 2, T A Grissom Stable; 3, Patton Mrs C; 4, Lasater Dan; 5, Clark W G; 6, Stall A M et al; 7, Boulds James P; 8, Carmine-Espo Stable; 9, Wetterer Tom.
Overweight: Ixtapan 2 pounds; Ilhandleit 3; Greek Minstrel 3; A Toast to Harry 5.

6	MARCIE WEST Green, White Sash Green Cap KIRBY  B.f.(1979), Inverness Drive—Gold Idol by Don B. Bred in Kentucky by Verne H. Winchell	J. O. KEEFER 114	20 LARRY MELANCON (Post Pos. 8)
7	TAYHILL STABLE (Karen Lee Taylor) White, Green Twin Spires, White Cap PRICELESS HERO  B.f.(1979), Our Hero—Pricelyn by Joe Price Bred in Washington by Wooden Horse Investments	E. K. CLEVELAND, JR. 119	8 JIM McKNIGHT (Post Pos. 9)
8	GOLDEN CHANCE FARM, INC. (Verna Lehmann) Gold, Red "GCF," Red Chevron on Sleeves, Gold Cap MISS PREAKNESS  Ch.f.(1979), Master Derby—Running Beauty by Double Jay Bred in Kentucky by Golden Chance Farm, Inc.	W. E. ADAMS 119	6 JULIO ESPINOZA (Post Pos. 10)
9	KINGHAVEN FARM (D. G. Willmot) Navy, Wh. Halves, Wh. Bars on Slvs., Wh. Dots on Blue Cap TOP CANARY  Ch.f.(1979), Accipiter—Caliphs Canary by No Robbery Bred in Kentucky by Vintage Farms, Inc.	JOHN TAMMARO 119	3 ANGEL CORDERO, JR. (Post Pos. 12)
 Indicates Foaled In Kentucky			
1 and 1a—PATRICIA HILLMAN—A. J. FOYT, JR. Entry			
2 and 2b—T. P. O'CONNOR, T. J. CARROLL, R. F. ALDEN & RONNIE WARREN— RUSSELL MICHAEL, JR. Entry			
3 and 3c—ANN C. COWGILL Entry			
Selections 4—9—5—8			

One minute before post time the tote board was as follows:

	Totals	#4 Cypress Bay
Odds		1—1
Win	522,550	204,439
Show	213,710	51,883

This gave an expected value of 1.19. With our betting fortune of \$1,335.60, a bet of \$510 to show on Cypress Bay was suggested.

At post time the odds were similar:

	Totals	#4 Cypress Bay	Expected Value per Dollar Bet on Cypress Bay	Optimal Bet on Cypress Bay (\$)
Odds		1—1		
Win	535,218	209,225		
Show	219,930	53,287	1.20	510

Pure Platinum, part of the number 2 entry, won the race, followed by Miss Preakness. Cypress Bay held on for third and paid \$3. Our \$510 bet returned \$765, for a \$255 profit. The chart of the race was as follows:

SIXTH RACE
Churchill
MAY 2, 1981
5 FURLONGS. (.57 4/5) 81st Running DEBUTANTE STAKES ALLOWANCE. \$25,000 Added. Fillies. 2-year-olds. By subscription of \$25 each; \$200 additional to start. \$25,000 added of which with the subscription and starting fees will be divided 65% to the winner, 20% to second, 10% to third and 5% to fourth. Weight, 119 lbs. Winners of a sweepstakes to carry 3 lbs. additional; of two sweepstakes, 5 lbs. additional. Maidens allowed 5 lbs.. Starters to be named through the entry box Thursday, April 30, at the time of closing. If the race is divided, entries or couplings will be divided. A trophy to the owner of the winner. (Closed with 47 nominations.)
Value of race \$30,675, value to winner \$19,939, second \$6,135, third \$3,068, fourth \$1,533. Mutuel pool \$996,427.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	3/16	3/8	Str	Fin	Jockey	Odds \$1
24Apr81	3Kee 1						3-1	2-1	2	1-1	Day P	35.40
3Apr81	3Kee 1						1-1	1	1	2	Espinoza J C	9.50
11Apr81	3Kee 1						7-2	6hd	6	3-1	Dennie D	1.00
7Apr81	3Kee 2						5-1	3hd	4-1	4-1	Saylor B	35.40
27Apr81	3CD 3						2hd	5-1	3-1	5nk	Romero R F	a- 8.30
7Apr81	3Kee 1						6	7-1	7-1	6-1	Velasquez J	4.00
							4hd	4	5hd	7nk	McHargue D G	a- 8.30
19Mar81	3Mia 1						10	8-1	8-4	8-2	Cordero A Jr	5.60
27Apr81	3CD 1						9-4	9hd	9hd	9	McKnight J	13.30
24Apr81	3Kee 4						8-1	10	10	10	Melancon L	36.90

a-Coupled: Shoo Fly Shecky and Amazing Love.
OFF AT 3:31 EDT. Start good. Won driving. Time, :22 4/5, :45 4/5, :58 4/5 Track fast.
\$ 2 Mutuel Prices:
3- PURE PLATINUM..... 72.80 24.00 8.40
8- MISS PREAKNESS..... 9.00 4.60
4- CYPRESS BAY..... 3.00

Ch. f, by Singh-Sucha Snob, by Dedicate. Trainer Backer Jesse L. Bred by Backer John W (Ky).
PURE PLATINUM, just behind the early leaders, came up to prompt the pace approaching the lane, took command at the sixteenth pole and drew clear late under a strong hand ride. MISS PREAKNESS, away alertly and quickly in command made the pace, could not withstand the winner late but held the place. CYPRESS BAY lacked the needed reponse. BETTY MONEY, well placed early, had no rally. SHOO FLY SHECKY showed early speed, dropped back approaching the lane, launched a second bold bid along the rail in midstretch but could not sustain it in the final sixteenth. MYSTICAL MOOD never threatened. AMAZING LOVE had speed until the stretch. TOP CANARY had no speed. KIRBY flashed brief foot, checked leaving the backstretch and raced wide in the lane.
Owners- 1, Cowgill Ann C; 2, Golden Chance Farm Inc; 3, Humphrey G Watts Jr; 4, Michael Russell Jr; 5, Hillman Patricia; 6, Farish W S III; 7, Foyt A J Jr; 8, Kinghaven Farms; 9, Tayhill Stable; 10, West Marcie.
Scratched- Ali's Oolah(7Apr81 3Kee 7); Trunk Line(22Apr81 3Kee11).

This gave an expected value of 1.20 and an optimal bet of \$781 with our fortune of \$1,590.60.

What It Is won the race, beating Master Tommy. Cornish Music took third. The chart of the races was as follows:

SEVENTH RACE

Churchill

MAY 2, 1981

1 1/16 MILES. (1.41 3/5) ALLOWANCE. Purse \$50,000 (plus \$7,000 from KTDF). 3-year-olds. Weight, 122 lbs. Non-winners of a race of \$15,000 at a mile or over allowed 3 lbs.; of \$15,000 at any distance, 5 lbs.; of \$9,750 at any distance, 7 lbs.; \$6,200 at a mile or over in 1981, 6 lbs. (Maiden, claiming and starter races not considered.)

Total purse \$57,000. Value of race \$55,600, value to winner \$37,050, second \$10,000, third \$5,700, fourth \$2,850. (\$1,400 reverts to the KTDF). Mutuel pool \$986,791.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
28Apr81 8C0 1	What It Is	b	3	119	4	3	2-2	1-1	1-1 1/4	1-1 1/4	1no	Espinoza J C	2.90
11Apr81 90P 5	Master Tommy	b	3	117	2	1	3hd	4-5	3-6	2-3	2-3	Lively J	.80
28Apr81 8C0 3	Cornish Music	b	3	113	6	6	6	5 1/2	4-2	4-6	3-3 1/2	Shoemaker W	2.80
15Apr81 6Xee 8	Marion Frances	b	3	113	3	5	4-4	3 1/2	2 1/2	3-1	4-6	Breen R	11.30
25Apr81 6C0 8	Poona's Stage	b	3	113	5	2	1hd	2-1 1/4	5-5	5-6	5-13	McHargue D G	30.10
25Apr81 6C0 12	Fast Earl	b	3	113	1	4	5 1/2	6	6	6	6	Adkins R M	31.70

OFF AT 4:20 EDT. Start good. Mon driving. Time :26 3/5 :47 4/5, 1:12 1/5, 1:38, 1:44 4/5 Track fast.

4- WHAT IT IS.....

2- MASTER TOMMY.....

6- CORNISH MUSIC.....

\$ 2 Mutuel Prices:

B. C. by Tell-Major Anne, by B Major. Trainer Casse Mark. Bred by Rogers W M (Ky).

WHAT IT IS, away alertly, pressed the early pace, took clear command going down the backstretch and withstood the late bid of MASTER TOMMY while kept to left-handed pressure. The latter, allowed to settle early, rallied with left-handed urging in the final furlong but could not get up in time. CORNISH MUSIC had no speed but rallied to best the others. MARION FRANCES had no rally.

POONA'S STAGE made or forced the early pace and gave way.

Owners- 1, Casse M E; 2, Swan C W; 3, Logan D; 4, Bromagen 6 S; 5, Levinson A; 6, Welch Carolyn.

Scratched- Mythical Ruler(25Apr81: 7C0 1).

Despite the 1.20 expected value per dollar bet to show on Master Tommy, which qualified it as a Dr. Z system bet, the payoff was only \$2.20. Given the fact that there were only six starters, when the other favorite, What It Is, finished in the money with a substantial show bet, the show pool yielded a \$2.20 payoff for all in-the-money finishers. This is one of the difficulties of playing a Dr. Z system bet with few starters and two or more major favorites. If all the favorites are in the money, the payoff will be small. If, of the favorites, only the horse you have bet is in the money, then the show payoff will be more substantial.

Our bet of \$781 returned \$859.10 for a profit of \$78.10. Our betting fortune was now \$1,668.70.

*Proud Appeal versus Johnny Campo
in the 107th Kentucky Derby*

The eighth race was the 107th running of the Kentucky Derby. The favorite was Proud Appeal. He had won nine of his ten starts and was to be ridden by his steady jockey, Jeffrey Fell. Races like his recent 1:33³ with a 98 speed rating in the Gotham Stakes at Aqueduct made him look exceptionally strong. The other top horses were Pleasant Colony, Cure the Blues, Bold Ego, and Tap Shoes. Pleasant Colony had a mediocre record, but he was coming off a convincing win in the recent Wood Memorial at Aqueduct. Moreover, his colorful trainer, Johnny Campo, had gone on record that Pleasant Colony was the best horse and would win the race. Cure the Blues had been soundly beaten by eight lengths by Pleasant Colony in the Wood Memorial. The rest of his record was impeccable—loss by a nose to Proud Appeal in the Gotham and six straight convincing victories. Bold Ego had won ten of his thirteen starts and was coming off three straight victories, including the Arkansas Derby. He was ridden by his regular jockey, John Lively. Tap Shoes had just won the Flamingo Stakes and had won five of his nine starts. He had had only one bad race and was being ridden as usual by Ruben Hernandez.

It is romantic to win the Kentucky Derby, so I bet \$50 on my favorite horse, Proud Appeal, to win. Pleasant Colony turned out to be a Dr. Z system bet. At post time the tote board was as follows:

	Total	#4 Pleasant Colony
Odds		7—2
Win	2,614,993	480,510
Show	950,079	132,845

The expected value per dollar bet on Pleasant Colony to show was 1.09, so with our fortune of \$1,668.70, we bet \$342.

107th Running KENTUCKY DERBY EIGHTH RACE

1875

1981

\$200,000 ADDED ONE MILE and ONE-QUARTER
(Plus \$20,000 from the Kentucky Thoroughbred Development Fund)

TRACK RECORD—SECRETARIAT (3), 126 lbs., 5-5-73, 1:59-2/5

For three-year-olds. By subscription of \$100 each which covers nomination for both The Kentucky Derby and Derby Trial. All nomination fees to Derby winner. \$4,000 to pass entry box, \$3,500 additional to start. \$200,000 added, of which \$50,000

to second, \$25,000 to third, \$12,500 to fourth. \$100,000 guaranteed to winner (to be divided equally in the event of a dead heat). Weight 126 lbs. The owner of the winner to receive a gold trophy. Closed Tuesday, February 17, 1981, with 432 nominations.

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS

	OWNER	TRAINER	JOCKEY and Morning Line
1	FREDERICK E. LEHMANN & GAINESWAY (John R. Gaines) Blue, Green Pine Tree, Blue Cap GOLDEN DERBY A	W. E. ADAMS	2
	Ro c, 1978, Master Derby—Old Goldie by Young Emperor BRED IN KENTUCKY BY FREDERICK E. LEHMANN	JULIO ESPINOZA (P. P. 2)	
1a	M. H. WINFIELD, ROBERT ENTENMANN, JOHN R. GAINES & STANLEY M. HOUGH Black, Tan "W" and Braces, Tan Chevrons on Sleeves, Tan Cap PROUD APPEAL	STANLEY M. HOUGH	2
	Dk b or br c, 1978, Valid Appeal—Proud N' Happy by Proudest Roman	JEFF FELL (P. P. 5)	
2	FLYING ZEE STABLE (Carl Lizza, Jr. & Herbert Hockreiter) Light Blue, White "ZZ" and Yoke, White Cap NOBLE NASHUA A	JOSE MARTIN	30
	Dk b or br c, 1978, Nashua—Noble Lady by Vaguely Noble BRED IN KENTUCKY BY GROUSEMONT FARM	CASH ASMUSSEN (P. P. 9)	
2b	FLYING ZEE STABLE (Carl Lizza, Jr. & Herbert Hockreiter) Light Blue, White "ZZ" and Yoke, White Cap WAYWARD LASS	JOSE MARTIN	30
	Dk b or br f, 1978, Hail The Pirates—Young Mistress by Third Martini	CASH ASMUSSEN (P. P. 20)	
3	BRED IN FLORIDA BY H. A. LURO SURF & TURF STABLE (Earl Shultz & Alan Yasukochi) Yellow, Yellow Seahorse on Green Ball, Yellow Bars on Green Sleeves, Yellow and Green Cap SPLENDID SPRUCE A	C. R. KNIGHT	15
	B c, 1978, Big Spruce—Splendid Spree by Damascus BRED IN KENTUCKY BY LILLIE F. WEBB	DARREL MCHARGUE (P. P. 1)	
4	BUCKLAND FARM (Thomas M. Evans) Dark Blue, White Triangle, Dark Blue Bars on White Sleeves, Blue and White Cap PLEASANT COLONY	JOHN P. CAMPO	4
	Dk b or br c, 1978, His Majesty—Sun Colony by Sunrise Flight BRED IN VIRGINIA BY T. M. EVANS	JORGE VELASQUEZ (P. P. 7)	
5	LEOPOLDO VILLAREAL Royal Blue, Royal Blue "V" on Light Blue Ball, Light Blue Stripes on Royal Blue Sleeves, Royal Blue Cap PASS THE TAB	ALBERT BARRERA	30
	Gr c, 1978, Al Haftab—Dantina by Gray Phantom BRED IN CALIFORNIA BY LEOPOLDO VILLAREAL	LAFFIT PINCAY, JR. (P. P. 8)	
6	GREENTREE STABLE (John Hay Whitney) Pink, Black Stripes on Sleeves, Pink Cap WOODCHOPPER A	J. M. GAVAR, JR.	30
	Gr c, 1978, Hatchet Man—Musical Chairs by Swaps BRED IN KENTUCKY BY GREENTREE STUD INC.	EDDIE DELAHOUSAYE (P. P. 11)	
7	HERBERT ALLEN White, Red Cross Sashes, Red Blocks on Sleeves, White Cap WELL DECORATED	EUGENE JACOBS	30
	Dk b or br c, 1978, Raja Baba—Paris Breeze by Majestic Prince BRED IN FLORIDA BY HERBERT ALLEN	DON MACBETH (P. P. 12)	
8	DOUBLE B RANCH (J. D. Barton) & JOSEPH KIDD Light Blue, White "B" in Horseshoe, Light Blue Cap BOLD EGO	JACK VAN BERG	8
	Dk b or br c, 1978, Bold Tactics—Coya's Ego by Bullin BRED IN NEW MEXICO BY J. D. BARTON	JOHN LIVELY (P. P. 15)	
9	BERTRAM R. FIRESTONE Green, White Diamond Frame, White Diamonds on Sleeves, Green Cap CURE THE BLUES	LE ROY JOLLEY	9-2
	B c, 1978, Stop the Music—Quick Cure by Dr. Fager BRED IN VIRGINIA BY MR. & MRS. BERTRAM R. FIRESTONE	WILLIAM SHOEMAKER (P. P. 16)	
10	ARTHUR B. HANCOCK III & LEONE J. PETERS, et al White, Purple Star, Purple Band on Sleeves, White Cap TAP SHOES A	HORATIO A. LURO	6
	Ch c, 1978, Riva Ridge—Bold Ballet by Bold Bidder BRED IN KENTUCKY BY LEONE J. PETERS & ARTHUR HANCOCK III	RUBEN HERNANDEZ (P. P. 14)	

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS

	OWNER	TRAINER	JOCKEY and Morning Line
11	ULF JENSEN, KARL HOLMAN, RAYMOND RONCARI & EDMUND DiGIULIO White, Red Heart, White Bars on Red Sleeves, Red Cap FLYING NASHUA A	LARRY S. BARRERA	30
	B c, 1978, Nashua—Joys Will by Yes You Will BRED IN KENTUCKY BY FREEMAN & PERKINS	ANGEL CORDERO, JR. (P. P. 22)	
12	MR. & MRS. HENRY GREENE & ELIZABETH DAVIS Lavender, Purple Chevrons, Purple Circled "DG," Purple Sleeves, Lavender Cap PARTEZ A	D. WAYNE LUKAS	8
	B c, 1978, Quack—Lady Marguery by Tim Tam BRED IN KENTUCKY BY H. B. NOONAN & RUNNYMEDE FARM INC.	SANDY HAWLEY (P. P. 3)	
13	FRED & LOU ELIAS Orange, Black "EB" in Black Diamond Frame, Orange Cap DOUBLE SONIC	GEORGE P. KRJAICH	8
	Ro c, 1978, Nodouble—Eloquent Es by Palestinian BRED IN FLORIDA BY ELIAS BROTHERS FARM	BUCK THORNBURG (P. P. 4)	
14	MARCO A. COELLO Grey, Red Panel, Blue Sleeves, Grey Cap HABANO	FRANCISCO GONZALEZ	8
	Dk b or br c, 1978, Ferrol—Miss Tepeji by Breezy Lane BRED IN MEXICO BY ESTEVEZ M. GUILLERMO	BENNY FELICIANO (P. P. 6)	
15	JO ANN DOMINGUEZ, MARIE FREIDEL & CHRIS THATCHER Blue, Gold "R&R" in Gold Diamond Frame, Blue Bars on Gold Sleeves, Blue Cap HOEDOWN'S DAY	ROGER DOMINGUEZ	8
	B c, 1978, Bargain Day—Miss Hoedown by Dance Lesson BRED IN CALIFORNIA BY MR. & MRS. ROGER DOMINGUEZ	TOMMY CHAPMAN (P. P. 10)	
16	V. W. WINCHELL Maroon, White Circled "VHW," White Stripes on Sleeves, White Cap CLASSIC GO GO A	J. C. MEYER	8
	Dk b or br c, 1978, Pago Pago—Classic Perfection by Never Bend	ANTHONY BLACK (P. P. 13)	
17	W. P. BISHOP Blue, White "B," Blue Stars on White Sleeves, Blue Cap TOP AVENGER	DWIGHT VIATOR	8
	B c, 1978, Staunch Avenger—Atop by Dunce BRED IN TEXAS BY W. P. BISHOP	LARRY SNYDER (P. P. 14)	
18	CAROLE R. ROUSSEL Light Blue, Cerise Dots, Light Blue Cap BEAU RIT	LOUIE ROUSSEL III	8
	B g, 1978, Lord Rebeau—Rit N Rough by Rough 'N Tumble BRED IN FLORIDA BY EARLY BIRD STUD	PHIL RUBBICCO (P. P. 17)	
19	BWAMAZON FARM (M. A. Waldheim) White, Blue Hoops, Blue Stripes on Sleeves, Blue Cap TELEVISION STUDIO A	ANTHONY BASILE	8
	B g, 1978, Within Hail—Put On T.V. by T.V. Lark BRED IN KENTUCKY BY BWAMAZON FARM	DAVID WHITED (P. P. 18)	
20	AL RISEN, JR. & PAXTON PRICE Gold, Red Cross Sashes, Red Bars on Sleeves, Red Cap MYTHICAL RULER A	FRED WIRTH	8
	Ro c, 1978, Ruritania—Our Nanny by Victorian Era BRED IN KENTUCKY BY OSCAR PENN	KEVIN WIRTH (P. P. 21)	

A Indicates Foaled In Kentucky.

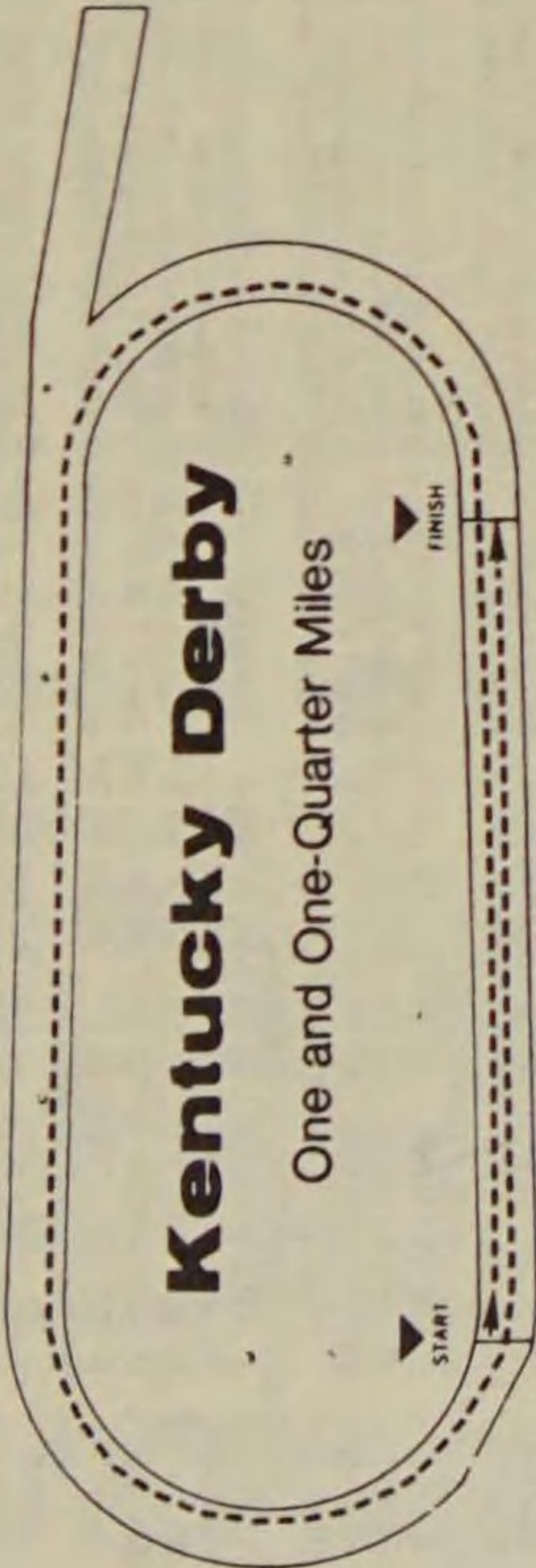
1-1a—Frederick E. Lehmann & John R. Gaines—M. H. Winfield, Robert Entenmann, John R. Gaines & Stanley M. Hough Entry
2-2b—Flying Zee Stable Entry

FIELD—12-13-14-15-16-17-18-19-20

Selections—1a-4-9-10

107th-Kentucky Derby-107th

Route the Field Will Travel



8th Churchill

1 1/4 MILES. (1.59%) 107th Running KENTUCKY DERBY SCALE WEIGHT (Grade 1). \$200,000 Added (plus \$20,000 from KTDF). 3-year-olds. By subscription of \$100 which covers nomination for both the Kentucky Derby and Derby Trial. All nomination fees to Derby winner. \$4,000 to pass entry box Thursday, April 30, \$3,500 additional to start. \$200,000 added, of which: \$50,000 to second, \$25,000 to third, \$12,500 to fourth. \$100,000 guaranteed to the winner (to be divided equally in the event of a dead heat.) Weight, 126 lbs. Starters to be named through the entry box Thursday, April 30, at the time of closing. The maximum number of starters for the Kentucky Derby will be limited to twenty. In the event more than twenty entries pass through the entry box at the usual time of closing, the twenty starters will be determined at that time with preference given to those that have accumulated the highest earnings. For those that enter and are eliminated under this condition, the nomination fee and the fee to pass through the entry box, will be refunded. The owner of the winner to receive a gold trophy. (Closed with 432 nominations.)

Coupled—Golden Derby and Proud Appeal; Noble Nashua and Wayward Lass.

Splendid Spruce

Own.—Surf and Turf Stable	1 1/4 453 1:10 1:49 ft	15 120	653 523 23 13	McHrDG2 S A Dby 84 SplnddSprc,JhnlW'Hrid,Hown sDy 13
12Apr81-8SA	1 1/4 46 1:30 1:42 ft	48 116	21 21 23 204	McHrDG3 SanFelipeH 91 Stinchry,SplnddSpruc,FlyngNshu 12
28Apr81-8SA	1 1/4 462 1:13 1:474s	23 117	27 113 10 120	Pincay L Jr5
12Feb81-8SA	1 1/4 47 1:11 1:422ft	63 117	444 593 673 643	Pincay L Jr5
31Jan81-7SA	1 1/4 471 1:14 1:444gd	84 116	31 31 43 543	Shoemaker W1
17Jan81-7SA	1 1/4 462 1:103 1:351ft	52 117	54 783 543 473	Shoemaker W3
10Sep80-80mr	1 1/4 463 1:11 1:361ft	23 114	119 910 610 783	ShmrW3 Del Mar Fut 70 BoldAndGold,LooksLkRin,SrDncr 12
27Aug80-80mr	1 1/4 46 1:11 1:372ft	34 115	543 433 433 213	ShoemakerW5 Balboa 79 BoldAndGold,SplnddSpruc,SrDncr 7
18Aug80-80mr	1 1/4 461 1:12 1:382ft	48 117	42 1nd 13 113	Shoemaker W6
19July80-8Hol	6f :212 :442 1:10 ft	11 122	953 118 118 1073	LphT5 Hol Juv Chmp 79 Loma Malad, Motivity, Bold Ego 13
3July80-1Hol	6f :221 :451 1:102ft	9-5 116	64 573 2nd 13	Shoemaker W8
				Apr 24 CD 71 1st 1:252 h
				Apr 25 CD 51 1st :582 h
				Apr 18 SA 41 1st :462 h

B. c. 3, by Big Spruce—Splendid Spruce, by Damascus
Br.—Webb Lillie F (Ky)
Tr.—Knight Chay R

Own.—Villareal L	1 1/4 462 1:122 1:493ft	33 126	22 34 304 23	Rivera M A11
18Apr81-8Spl	1 1/4 444 1:09 1:351ft	4-5 119	13 23 113 23	Cordero A Jr3
9Apr81-8Aqu	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
31Aug80-11SFe	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
22Aug80-8SFe	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
17July80-7Aks	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
22Jun80-10LaM	4f :223 :451 :511ft	1-3 119	2 323 104 193	Killen M4
14Jun80-9LaM	4f :232 :464 :523ft	1-3 119	4 13 11 163	Killen M3
10May80-3SFe	4f :222 :45 :513ft	3-2 118	1 113 13 115	Killen M4
				Apr 28 CD 71 1st 1:25 h
				Apr 3 Bel b 1 41 1st :474 h
				Mar 28 Bel b 1 41 1st 1:00 h

Noble Nashua

Own.—Flying Zee Stable	1 1/4 454 1:102 1:493ft	53 126	23 22 49 414	CrdraJr5 WoodMem'1 73 PlsntColony,HighIndBid,CurtBlus 6
18Apr81-8Aqu	1 1/4 45 1:084 1:333ft	33 123	12 11 14 393	CrdraJr1 Gotham 89 ProudAppel,CuretheBlus,NobINshu 6
5Apr81-8Aqu	1 1/4 47 1:1211:43 gd2-5 119	12 11	14 393	CrdraJr4 Whirlaway 89 NobleNashua,RoyPvillon,Summing 5
25Feb81-8Aqu	6f :222 :462 1:123ft	1-5 116	43 323 23 153	Cordero A Jr5
6Feb81-9Tam	6f :222 :462 1:123ft	33 122	223 310 414	Cordero A Jr2
25Oct80-9Lrl	1 1/4 461 1:113 1:442sy	43 122	32 1nd 11 223	CrdraJr8 Champagne 80 Lord Avie,Noble Nashua,Sezyou 9
12Oct80-8Bel	1 1/4 461 1:113 1:371ft	43 122	32 1nd 11 223	CrdraJr8 Champagne 80 Lord Avie,Noble Nashua,Sezyou 9
25Sep80-7Bel	6f :224 :454 1:164ft	2-3 122	31 32 23 104	Pincay L Jr1
18Sep80-6Bel	6f :223 :462 1:103ft	3 118	67 423 1nd 15	Pincay L Jr9
				Apr 14 Bel b 1 41 1st 1:161 b
				Apr 1 Bel b 1 41 1st :461 h
				Mar 25 Bel b 1 41 1st :593 h
				Mar 18 Bel b 1 41 1st :593 b

Dk. b. or br. c. 3, by Nashua—Noble Lady, by Vaguely Noble
Br.—Grousemont Farm (Ky)
Tr.—Martin Jose

Own.—Villareal L	1 1/4 462 1:122 1:493ft	33 126	22 34 304 23	Rivera M A11
18Apr81-8Spl	1 1/4 444 1:09 1:351ft	4-5 119	13 23 113 23	Cordero A Jr3
9Apr81-8Aqu	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
31Aug80-11SFe	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
22Aug80-8SFe	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
17July80-7Aks	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
22Jun80-10LaM	4f :223 :451 :511ft	1-3 119	2 323 104 193	Killen M4
14Jun80-9LaM	4f :232 :464 :523ft	1-3 119	4 13 11 163	Killen M3
10May80-3SFe	4f :222 :45 :513ft	3-2 118	1 113 13 115	Killen M4
				Apr 28 CD 71 1st 1:25 h
				Apr 3 Bel b 1 41 1st :474 h
				Mar 28 Bel b 1 41 1st 1:00 h

Pass the Tab

Own.—Villareal L	1 1/4 462 1:122 1:493ft	33 126	22 34 304 23	Rivera M A11
18Apr81-8Spl	1 1/4 444 1:09 1:351ft	4-5 119	13 23 113 23	Cordero A Jr3
9Apr81-8Aqu	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
31Aug80-11SFe	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
22Aug80-8SFe	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
17July80-7Aks	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
22Jun80-10LaM	4f :223 :451 :511ft	1-3 119	2 323 104 193	Killen M4
14Jun80-9LaM	4f :232 :464 :523ft	1-3 119	4 13 11 163	Killen M3
10May80-3SFe	4f :222 :45 :513ft	3-2 118	1 113 13 115	Killen M4
				Apr 28 CD 71 1st 1:25 h
				Apr 3 Bel b 1 41 1st :474 h
				Mar 28 Bel b 1 41 1st 1:00 h

Gr. c. 3, by Al Hattab—Dantina, by Gray Phantom
Br.—Villareal L (Cal)
Tr.—Barrera Albert S

Own.—Villareal L	1 1/4 462 1:122 1:493ft	33 126	22 34 304 23	Rivera M A11
18Apr81-8Spl	1 1/4 444 1:09 1:351ft	4-5 119	13 23 113 23	Cordero A Jr3
9Apr81-8Aqu	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
31Aug80-11SFe	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
22Aug80-8SFe	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
17July80-7Aks	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
22Jun80-10LaM	4f :223 :451 :511ft	1-3 119	2 323 104 193	Killen M4
14Jun80-9LaM	4f :232 :464 :523ft	1-3 119	4 13 11 163	Killen M3
10May80-3SFe	4f :222 :45 :513ft	3-2 118	1 113 13 115	Killen M4
				Apr 28 CD 71 1st 1:25 h
				Apr 3 Bel b 1 41 1st :474 h
				Mar 28 Bel b 1 41 1st 1:00 h

Gr. c. 3, by Al Hattab—Dantina, by Gray Phantom
Br.—Villareal L (Cal)
Tr.—Barrera Albert S

Own.—Villareal L	1 1/4 462 1:122 1:493ft	33 126	22 34 304 23	Rivera M A11
18Apr81-8Spl	1 1/4 444 1:09 1:351ft	4-5 119	13 23 113 23	Cordero A Jr3
9Apr81-8Aqu	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
31Aug80-11SFe	6f :221 :442 1:161ft	1-5 118	2nd 13 16 113	Killen M3
22Aug80-8SFe	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
17July80-7Aks	6f :223 :454 1:123m	23 122	943 993 324 14	Killen M5
22Jun80-10LaM	4f :223 :451 :511ft	1-3 119	2 323 104 193	Killen M4
14Jun80-9LaM	4f :232 :464 :523ft	1-3 119	4 13 11 163	Killen M3
10May80-3SFe	4f :222 :45 :513ft	3-2 118	1 113 13 115	Killen M4
				Apr 28 CD 71 1st 1:25 h
				Apr 3 Bel b 1 41 1st :474 h
				Mar 28 Bel b 1 41 1st 1:00 h

Pleasant Colony

Own.—Buckland Farm	1 1/4 454 1:102 1:493ft	13 126	413 37 13 13	Fell Js Wood Mem'1 87 PlsntColony,HighIndBid,CurtBlus 6
18Apr81-8Aqu	1 1/4 47 1:11 1:502ft	4 122	1118 911 57 513	BrcclleVJr4 Fla Derby 67 Lord Avie,Akureyri,Linnleu 11
8Apr81-8GP	1 1/4 48 1:121 1:442ft	17 122	813 86 304 204	BrcclleVJr4 YouthSiks 79 Akureyri,PleasantColony,LordAvie 9
18Feb81-8GP	1 1/4 474 1:123 1:501ft	53 116	710 643 32 23	BracclleVJr5 Remsen 83 Akureyri,PlsntColony,FoolishTmr 8
				90Apr80—Placed first through disqualification
27Oct80-8Aqu	1 1/4 481:1441:544sf	43 115	1314 1213 573 23	BracclleVJr12 Pilgrim 69 Akureyri,Pleasant Colony,Jetzier 14
13Oct80-8Bov	7f :224 :453 1:25 ft	63 113	75 753 74 523	BrlldD10 Mar Nursery 78 John'sRoll,PntdShld,MtchingGift 11
13Oct80-8Bov	7f :224 :453 1:25 ft	63 113	75 753 74 523	BrlldD10 Mar Nursery 78 John'sRoll,PntdShld,MtchingGift 11
22Sep80-7Med	170 :471 1:132 1:443ft	43 118	717 49 13 193	Amussen C B8 Mdn 78 PlsntColony,CmntyInurst,SldCrdt 8
15Sep80-4Bel	7f :223 :461 1:243ft	28 118	34 42 613 616	Brumfield D7 Mdn 63 Summing,Academy H, Bay Ridge 7
				Apr 29 CD 41 1st :491 b
				Apr 15 Bel b 1 41 1st :494 b
				Apr 11 Bel b 1 11 1st 1:302 h
				Apr 6 Bel b 1 1 1st 1:40 h (d)

Dk. b. or br. c. 3, by His Majesty—Sun Colony, by Sunvise Flight
Br.—Evans T M (Va)
Tr.—Campo John P

Own.—Buckland Farm	1 1/4 454 1:102 1:493ft	13 126	413 37 13 13	Fell Js Wood Mem'1 87 PlsntColony,HighIndBid,CurtBlus 6
18Apr81-8Aqu	1 1/4 47 1:11 1:502ft	4 122	1118 911 57 513	BrcclleVJr4 Fla Derby 67 Lord Avie,Akureyri,Linnleu 11
8Apr81-8GP	1 1/4 48 1:121 1:442ft	17 122	813 86 304 204	BrcclleVJr4 YouthSiks 79 Akureyri,PleasantColony,LordAvie 9
18Feb81-8GP	1 1/4 474 1:123 1:501ft	53 116	710 643 32 23	BracclleVJr5 Remsen 83 Akureyri,PlsntColony,FoolishTmr 8
				90Apr80—Placed first through disqualification
27Oct80-8Aqu	1 1/4 481:1441:544sf	43 115	1314 1213 573 23	BracclleVJr12 Pilgrim 69 Akureyri,Pleasant Colony,Jetzier 14
13Oct80-8Bov	7f :224 :453 1:25 ft	63 113	75 753 74 523	BrlldD10 Mar Nursery 78 John'sRoll,PntdShld,MtchingGift 11
13Oct80-8Bov	7f :224 :453 1:25 ft	63 113	75 753 74 523	BrlldD10 Mar Nursery 78 John'sRoll,PntdShld,MtchingGift 11
22Sep80-7Med	170 :471 1:132 1:443ft	43 118	717 49 13 193	Amussen C B8 Mdn 78 PlsntColony,CmntyInurst,SldCrdt 8
15Sep80-4Bel	7f :223 :461 1:243ft	28 118	34 42 613 616	Brumfield D7 Mdn 63 Summing,Academy H, Bay Ridge 7
				Apr 29 CD 41 1st :491 b
				Apr 15 Bel b 1 41 1st :494 b
				Apr 11 Bel b 1 11 1st 1:302 h
				Apr 6 Bel b 1 1 1st 1:40 h (d)

*Habano

Own.—Coello M A	1 1/4 472 1:113 1:512sy	48 121	32 45 713 718	McHrDG4 Blue Grass 62 ProudAppel,LawMe,GoldenDerby 11
23Apr81-7Kee	1 1/4 464 1:103 1:441ft	64 118	213 633 811 826	Cordero A Jr2
14Apr81-7Kee	1 1/4 463 1:272ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
8Apr81-8Mex	1 1/4 463 1:152 1:441ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
14Oct80-10Mex	1 1/4 463 1:152 1:441ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
29Nov80-10Mex	7f :232 :471 1:262ft	1-3e 117	21 23 113 18	Soto S B5
18Nov80-10Mex	6f :224 :461 1:192ft	1-2e 117	41 313 2nd 133	Mercado F3
30Aug80-10Mex	7f :23 :471 1:254gd	4-5 117	75 623 12 110	Soto S B15
19Aug80-9Mex	6f :224 :463 1:203ft	1-2 117	313 2nd 1nd 2nd	Cervantes J G2
2Aug80-10Mex	6f :222 :461 1:202m	2-3e 117	423 42 1nd 104	CrvntsJG9 Cuhlemoc 81 Habano,Definido,Linea Maginot -12
19July80-10Mex	6f :222 :461 1:123ft	6-5e 117	52 313 23 14	CervantesJG7 Cridors 48 Habano,Definado,Senior Ricky 14
10Jan80-7Mex	5f :23 :462 :584ft	8-5 117	13 1nd 11 13	Cervantes J G5
27May80-1Mex	5f :224 :462 :592ft	36 117	1nd 1nd 15 143	Cervantes J G5
				Apr 20 Kee 14 1st 1:50 b
				Apr 12 Kee 14 1st 1:50 b

Dk. b. or br. c. 3, by Ferrol—Miss Tepell, by Breezy Lane
Br.—Gillermo Estevez M (Mex)
Tr.—Gonzalez Francisco

Own.—Coello M A	1 1/4 472 1:113 1:512sy	48 121	32 45 713 718	McHrDG4 Blue Grass 62 ProudAppel,LawMe,GoldenDerby 11
23Apr81-7Kee	1 1/4 464 1:103 1:441ft	64 118	213 633 811 826	Cordero A Jr2
14Apr81-7Kee	1 1/4 463 1:272ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
8Apr81-8Mex	1 1/4 463 1:152 1:441ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
14Oct80-10Mex	1 1/4 463 1:152 1:441ft	1-3e 117	323 33 21 13	CorderoA Jr4 Quitzcotl 79 Habano,Distinct Lover,Offset 11
29Nov80-10Mex	7f :232 :471 1:262ft	1-3e 117	21 23 113 18	Soto S B5
18Nov80-10Mex	6f :224 :461 1:192ft	1-2e 117	41 313 2nd 133	Mercado F3
30Aug80-10Mex	7f :23 :471 1:254gd	4-5 117	75 623 12 110	Soto S B15
19Aug80-9Mex	6f :224 :463 1:203ft	1-2 117	313 2nd 1nd 2nd	Cervantes J G2
2Aug80-10Mex	6f :222 :461 1:202m	2-3e 117	423 42 1nd 104	CrvntsJG9 Cuhlemoc 81 Habano,Definido,Linea Maginot -12
19July80-10Mex	6f :222 :461 1:123ft	6-5e 117	52 313 23 14	CervantesJG7 Cridors 48 Habano,Definado,Senior Ricky 14
10Jan80-7Mex	5f :23 :462 :584		1 1st 11 13	Cervantes J G5 Alw 95 Habano,Senior Ricky, Fly Victory 8
10Jan80-7Mex	5f :23 :462 :584		1 1st 15 143	Cervantes J G5 Mdn 92 Habano,Impresor, Cascabelillo 10

Bold Ego

Own.—Double B Ranch & Kidd J 126

11Apr81-90P	1 1/2	:47 1	1:112	1:502ft	*2-3	123
14Mar81-90P	1 1/2	:462	1:114	1:412ft	3	122
28Feb81-90P	6f	:214	:46	1:114sy	3 1/2	117
13Feb81-80P	6f	:22	:46 1	1:12 ft	4	120
21Jan81-85A	6f	:213	:44 1	1:094ft	5 1/2	122
14Sep80-10A1b	6f	:214	:45 1	1:112ft	*2-5	118
6Sep80-18A1b	6f	:221	:454	1:131m	*1-3	118
19Jly80-8Hoi	6f	:212	:442	1:10 ft	8 1/2	122
8Jun80-10Rui	4f	:23	:47	ft	*2-3	120
30May80-10Rui	4f	:223	:473	ft	*1-5	120
4May80-11Sun	5f	:22	:45 1	:572ft	*6-5	120
25Apr80-12Sun	5f	:22	:452	:573ft	*6-5	120
29Mar80-5Sun	4f	:223	:453	ft	15	118

Apr 25 CD 1 1/2 ft 1:56 b

Apr 19 CD 7f ft 1:29 h

Apr 4 OP 1sy 1:42 b

Mar 29 OP 7f sy 1:26 1/2 h

Dk. b. or br. c. 3, by Bold Tactics—Coya's Ego, by Bullin

Br.—Barton J D (NM)

Tr.—Van Berg Jack

1981 5 3 0 0 \$205,990

1980 8 7 0 1 \$176,686

1 1/2	1 1/2	1 1/2	1 1/2	Lively J9	Aks Derby	91	BoldEgo,TopAvenger,Woodchopper	9
1 1/2	1 1/2	1 1/2	1 1/2	Lively J4	Rebel H	89	BoldEgo,CatchTntPss,ChpelCreek	10
1 1/2	1 1/2	1 1/2	1 1/2	Lively J4	HcpO	86	Bold Ego, Lockjaw, Vodika Collins	8
2nd	2nd	42 1/2	56 1/2	Lively J5	HcpO	79	Top Avenger, Lockjaw, KanofSpots	9
1 1/2	1hd	2 1/2	59	Jones K1	San Miguel	81	Motivity, Royal Forbes, Torso	6
2nd	1 1/2	13	15 1/2	CshnJL9	N. Mex Fut	86	Bold Ego, Bin ABattle,ColonelDay	10
3 1/2	3nk	31	11	Cushing J L6	SplW	77	BoldEgo,Draconic'sLdy,IrishEye's	10
1hd	1hd	1 1/2	33 1/2	CshJL2	Hol JuvChmp	83	Loma Malad, Motivity, Bold Ego	13
1	2hd	1hd	12 1/2	CshJL3	SR Gr' DeFut	88	Bold Ego, Dr. Me Up, First Away	10
1	1 1/2	12	14 1/2	Cushing J L1	SplW	85	BoldEgo,CowboyLoving,AlaskanStr	8
1hd	1hd	11	12 1/2	CushingJL1	R Allison	96	BoldEgo,ElegantLaura,SquawBred	11
1hd	1hd	12	14	Cushing J L8	SplW	95	BoldEgo,ElegntLaur,CcheInvestmnt	8
3	1hd	12	14 1/2	Cushing J L6	Mdn	96	BoldEgo,JohnnyDark,Casey'sImge	10

Cure the Blues X

Own.—Firestone B R 126

18Apr81-9Aqu	1 1/2	:454	1:102	1:493ft	*1-5	126
5Apr81-8Aqu	1	:45	1:084	1:333ft	*2-3	126
26Mar81-9Hia	7f	:23	:453	1:23 sy	*1-9	122
25Oct80-9Lrl	1 1/2	:46 1	1:113	1:442sy	*1-2	122
13Oct80-9Bow	7f	:223	:442	1:232ft	*1-3	116
13Oct80—Run in Two Divisions 8th & 9th Races.						
6Oct80-8Bow	6f	:223	:452	1:10 ft	*1-5	113
20Sep80-7Bow	7f	:231	:462	1:244ft	*2-5	115
16Apr80-3Pim	5f	:24	:472	:584ft	*3-5	120

Apr 15 Aqu 5f gd :59 3/4 h

Apr 2 Aqu 4f m :47 b

Mar 25 Hia 2f ft :24 3/4 b

Mar 19 Hia 6f ft 1:09 3/4 h

B. c. 3, by Stop the Music—Quick Cure, by Dr Fager

Br.—Firestone B R Mr-Mrs (Va)

Tr.—Jolley Leroy

1981 3 1 1 1 \$47,004

1980 5 5 0 0 \$131,102

1 1/2	12	23	38	VsquezJ1	Wood Mem'l	79	PisntColony,HighIndBld,CurthBlus	6
2 1/2	2 1/2	2nd	2no	Vasquez J6	Gotham	98	ProudAppel,CuretheBlus,NobINshu	6
2 1/2	1hd	14	15	Vasquez J1	Alw	88	CurethBlus,GovrnorBob,LPromnur	6
13	12 1/2	16	16 1/2	Turcotte R L1	Lrl Fut	86	CuretheBlus,MtchingGift,KnRson	7
2hd	13	16	15	TrcttRL1	MarNursery	88	CuretheBlus,CnturyPrinc,JunglJov	6
13	13	15	17	Passmore W J3	Alw	90	CuretheBlus,SilentBsis,Viky'sChrg	6
2 1/2	1hd	18	110	Turcotte R L3	Alw	81	CurthBlus,DoublWhmmy,HighJump	7
1 1/2	12	15	110	Turcotte R L1	Mdn	91	CurthBlus,PlyfulChstr,RunBoldRun	6

Beau Rit

Own.—Roussel Carole 126

23Apr81-7Kee	1 1/2	:472	1:113	1:512sy	12	121
29Mar81-9FG	1 1/2	:462	1:113	1:504ft	11	126
14Mar81-9FG	1 1/2	:472	1:124	1:45 ft	*8-5	122
8Feb81-9FG	1 1/2	:471	1:124	1:461ft	*8-5	119
25Jan81-8FG	1 1/2	:47	1:131	1:463ft	8-5	119
9Jan81-5FG	140	:48	1:14	1:424ft	*1-2	119
24Dec80-4FG	6f	:224	:471	1:124m	*2-5	119
4Dec80-4FG	6f	:224	:481	1:112ft	23	119

Apr 22 Kee 3f ft :36 b

Apr 16 Kee 5f ft 1:00 1/2 h

Mar 21 FG 5f ft 1:02 3/4 b

Mar 13 FG-3f ft :38 b

B. g. 3, by Lord Rebeau—Rit-n-Rough, by Rough'n Tumble

Br.—Early Bird Stud (Fla)

Tr.—Roussel Louie III

1981 6 3 1 1 \$96,100

1980 2 1 1 0 \$6,000

67	67 1/2	815	55 1/2	RbbccP10	Blue Grass	75	ProudAppeal,LawMe,GoldenDerby	11
810	63 1/2	33	33	RubbiccoP6	La Derby	87	Woodchopper, A Run, Beau Rit	13
44	32	21 1/2	2no	RbbccP6	La Dby Trl	87	SenateChairmn,BeuRit,Andy'sWish	9
58 1/2	35 1/2	11 1/2	1hd	RbbccP10	HPradeBby	81	BeuRit,BoysNiteOut,CircleofSteel	13
39	2 1/2	11 1/2	11	RbbccP9	H P DbyTrls	79	Beau Rit, Nobubble, Contorsionist	9
21	2 1/2	1hd	11	Rubbicco P7	Alw	79	Beau Rit, Nobubble, Hurricane Bay	7
1hd	1hd	15	15	Rubbicco P2	Mdn	81	Beau Rit, Rust, Effy Says	11
2 1/2	2hd	2 1/2	2 1/2	Rubbicco P8	Mdn	87	Bold Ivor, Beau Rit, Captense	12

Television Studio

Own.—Bwamazon Farm 126

25Apr81-7CD	1	:472	1:114	1:374ft	11	122
3Apr81-6Kee	a7f			1:26 ft	2 1/2	123
22Nov80-8CD	1 1/2	:49	1:14	1:47 ft	6 1/2	119
1Nov80-7CD	1 1/2	:49	1:143	1:483ft	8-5	117
21Oct80-4Kee	1 1/2	:483	1:144	1:481ft	*6-5	117
21Oct80—Placed first through disqualification						
11Oct80-3Kee	1 1/2	:483	1:144	1:493ft	3	117
15Sep80-3AP	7f	:233	:474	1:291sl	2 1/2	122
18Aug80-5AP	6f	:224	:464	1:141sl	16	122
8Aug80-4AP	5 1/2	:222	:462	1:051ft	17	122
21Jly80-3AP	5 1/2	:224	:472	1:07 sy	3 1/2	122
27May80-3AP	5f	:224	:454	:574ft	4 1/2	122
16May80-3AP	5f	:223	:454	:58 ft	*7-5e	122
15Apr80-3Kee	4 1/2	:223	:46	:52 gd	4-5	121

Apr 20 Kee 6f sy 1:15 h

Apr 10 Kee 5f ft 1:05 3/4 b

Apr 2 Kee 3f ft :36 3/4 b

Mar 29 Kee 7f ft 1:30 b

B. g. 3, by Within Hail—Put on T V, by T V Lark

Br.—Bwamazon Farm (Ky)

Tr.—Basile Anthony

1981 2 0 0 1 \$2,560

1980 11 3 2 3 \$101,106

310	46	45 1/2	37	Day P3	Alw	73	MythclRulr,CfsscGoGo,TlvsonStudo	4
74 1/2	77 1/2	69 1/2	62 1/2	Brumfield D8	Alw	72	Sportin'Lif,MronFrncs,CrwfordSpcl	8
56	52 1/2	23	1nk	BrumfldD2	Ky Jky Cb	73	TelevisionStudio,Linnleu,BrCrkDm	8
43 1/2	31	11	14	Brumfield D4	Alw	65	TlvsonStudio,TwstnAlong,Skyclon	6
58	51 1/2	3nk	2hd	Brumfield D4	Mdn	65	#BcksGlor,TlvsonStdo,RmnSttsmn	12
1012	74 1/2	3 1/2	2 1/2	Haire D8	Mdn	57	Mrintist,TlvsonStudo,RlodndChrg	12
62 1/2	63 1/2	34 1/2	24 1/2	Patterson A8	Mdn	51	FilLine,TlvsonStudio,WstrnBufflo	8
87 1/2	79 1/2	56	55 1/2	Patterson A7	Mdn	66	Corsicana, King Pali, Global Jet	8
85 1/2	67 1/2	54 1/2	47 1/2	Patterson A4	Mdn	81	IntrpdHttr,MssssppRbl,RldndChrg	11
87 1/2	89 1/2	412	414	Patterson A9	Mdn	66	Broadway Raider, MannyT.,FallLine-9	
78	77	611	314	Patterson A2	Mdn	83	ThRzzul,Buck'sLstDrm,TlvsonStdo	8
57	44 1/2	46	39 1/2	Patterson A5	Mdn	86	MontryGift,ThRizzuli,TlvsonStudo	9
7	812	611	318	Morgan M R7	Mdn	77	RodgrRnhrt,Prnr'sEdg,TlvsonStdo	10

Tap Shoes

Own.—Peters L & Hancock III et al 126

20Mar81-9Hia	1 1/2	:47	1:104	1:491ft	*3-5	122
9Mar81-9Hia	7f	:222	:444	1:221ft	*9-5	122
12Oct80-8Bel	1	:46 1	1:113	1:371ft	*3-2	122
13Sep80-8Bel	7f	:223	:452	1:234ft	*1-2	122
23Aug80-8Sar	6 1/2	:222	:453	1:17 ft	2 1/2	122
13Aug80-8Sar	6f	:213	:443	1:10 ft	5 1/2	115
4Aug80-8Sar	6f	:22	:45	1:101ft	21	117
4Jly80-8Suf	5 1/2	:222	:463	1:053ft	*9-5	114
16Jun80-8Bel	5 1/2	:221	:473	1:052ft	4 1/2	116

Apr 22 Kee 3f ft :39 3/4 b

Apr 18 Kee 1 1/2 ft 1:45 3/4 h

Apr 11 Hia 5f ft 1:01 b

Apr 6 Hia 5f ft 1:00 h

Ch. c.-3, by Riva Ridge—Bold Ballet, by Bold Bidder

Br.—Hancock A III & Peters L J (Ky)

Tr.—Luro Horatio A

1981 2 1 0 1 \$110,592

1980 7 4 1 1 \$197,084

43	31	22	11	HernndezR6	Flamingo	86	TpShoes,WellDecorted,DoublSonic	7
78 1/2	71 1/2	43	3nk	HernndezR6	Bahamas	92	WellDecorted,DshO'Plesure,TpShos	8
54	53 1/2	65 1/2	61 1/2	HrnnrdR1	Champagne	71	Lord Avie, Noble Nashua, Sezyou	9
2hd	1hd	11	11 1/2	HernandezR1	Futlrlty	83	TapShoes,DashO'Plesure,McCrcken	6
62 1/2	42	12	12	HernandezR5	Hopeful	87	Tap Shoes, LordAvie, WellDecorated	9
89 1/2	88	45	11 1/2	HernandezR3	Sanford	90	Tap Shoes, Triocala, PaintedShield	
61 1/2	32	34 1/2	24 1/2	HernndzR9	Sar Spec'l	84	WellDecorated, TapShoes, Motivity	10
56	54 1/2	42	34 1/2	O'DrscilJ4	Mayflower	81	And More, Lockjaw, Tap Shoes	12
52 1/2	1 1/2	11 1/2	19 1/2	Hernandez R10	Mdn	63	Tap Shoes, Chapel Creek, Behold	10

Mythical Ruler

Own.—Risen Al Jr & Price Paxton 122

25Apr81-7CD	1	:472	1:114	1:374ft	2 1/2	122
20Mar81-8Lat	1	:46	1:11	1:38 ft	10	114
20Mar81-8Lat	1	:464	1:121	1:401ft	3	115
13Sep80-5Lat	6f	:221	:461	1:122ft	*2-5	1157
16Aug80-9EIP	6f	:224	:46	1:112ft	7-5	116
8Aug80-8EIP	5 1/2	:222	:46	1:062ft	*1-2	1137
26Jly80-3EIP	5f	:224	:46	:583ft	3	10910

Apr 18 CD 6f ft 1:14 h

Ro. c. 3, by Ruritania—Our Nanny, by Victorian Era

Br.—Penn O (Ky)

Tr.—Wirth Fred

1981 3 3 0 0 \$53,660

1980 5 3 1 1 \$17,520

12	11	11	14	Wirth K B4	Alw	80	MythclRulr,CfsscGoGo
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Pleasant Colony did indeed win the race, followed by Woodchopper and Partez. Proud Appeal was in the race until the mile pole, then faltered badly and finished eighteenth. He also became one of the horses whose career was essentially destroyed by the Derby. Never regaining his earlier form, he was quickly retired to stud, where he now stands for Gainesway Farms.

Pleasant Colony paid \$4.40 to show, so our bet of \$342 returned \$752.40, for a profit of \$410.40.

It was a great day for us. In addition to the fun we had had, all four of our Dr. Z system bets had been winners. Our only loss was the win bet on Proud Appeal. Our \$2,079.10 stake grew to \$2,531. We vowed to come back to try it again the following May.

EIGHTH RACE
Churchill
MAY 2, 1981

1 ¼ MILES. (1.59½) 107th Running KENTUCKY DERBY SCALE WEIGHT (Grade I). \$200,000 Added (plus \$20,000 from KTDF). 3-year-olds. By subscription of \$100 which covers nomination for both the Kentucky Derby and Derby Trial. All nomination fees to Derby winner. \$4,000 to pass entry box Thursday, April 30, \$3,500 additional to start. \$200,000 added, of which: \$50,000 to second, \$25,000 to third, \$12,500 to fourth. \$100,000 guaranteed to the

winner (to be divided equally in the event of a dead heat.) Weight, 126 lbs. Starters to be named through the entry box Thursday, April 30, at the time of closing. (This provision waived, by court order, permitting Flying Nashua and Mythical Ruler to start). The maximum number of starters for the Kentucky Derby will be limited to twenty. In the event more than twenty entries pass through the entry box at the usual time of closing, the twenty starters will be determined at that time with preference given to those that have accumulated the highest earnings. For those that enter and are eliminated under this condition, the nomination fee and the fee to pass through the entry box, will be refunded. The owner of the winner to receive a gold trophy. (Closed with 432 nominations.)

Total purse \$424,700. Value of race \$413,450, value to winner \$317,200, second \$55,000, third \$27,500, fourth \$13,750. (\$11,250 reverts to KTDF.) Mutuel pool \$4,566,179.

Last Raced	Horse	Eqt.	A.	Wt	PP	¼	½	¾	1	Str	Fin	Jockey	Odds \$1	
18Apr81	9Aqu1	Pleasant Colony	3	126	7	171	16hd	15½	4½	11½	1½	Velasquez J	3.50	
11Apr81	9OP3	Woodchopper	3	126	11	20½	192	19½	11½	5hd	23	Delahoussaye E	34.20	
12Apr81	8SA6	Partez	b	3	126	3	121	121	101	22	21	32½	Hawley S	f-7.90
25Apr81	7CD2	Classic Go Go	3	126	13	19½	182½	17hd	92	7hd	4no	Black A S	f-7.90	
25Apr81	7CD3	Television Studio	b	3	126	18	21	20hd	20½	102	81	51½	Whited D E	f-7.90
18Apr81	8Spt2	Pass the Tab	3	126	8	111	101	7½	31	6½	6nk	Pincay L Jr	31.10	
12Apr81	8SA1	Splendid Spruce	b	3	126	1	101	9½	9½	5½	4hd	7nk	McHargue D G	13.60
12Apr81	8SA4	Flying Nashua	b	3	126	21	18hd	153	16hd	15hd	93	82½	Cordero A Jr	48.00
18Apr81	9Aqu4	Noble Nashua	3	126	9	142	13hd	131½	131	102½	9no	Asmussen C B	71.70	
11Apr81	9OP1	Bold Ego	3	126	15	21	2hd	2hd	1hd	31	102½	Lively J	9.90	
23Apr81	7Kee4	Double Sonic	3	126	4	161	21	21	171	111	112½	Thornburg B	f-7.90	
12Apr81	8SA3	Hoedown's Day	3	126	10	61½	71	111½	121½	12½	12nk	Chapman T M	f-7.90	
23Apr81	7Kee5	Beau Rit	b	3	126	17	15hd	171½	181	18½	13hd	13nk	Rubbicco P	f-7.90
28Mar81	9Hia1	Tap Shoes	3	126	19	131	143	141½	14½	146	147	Hernandez R	7.60	
18Apr81	9Aqu3	Cure the Blues	b	3	126	16	81½	6hd	8hd	16½	152	152	Shoemaker W	4.70
14Apr81	7Kee4	Well Decorated	3	126	12	4½	4hd	4hd	6½	16½	16½	MacBeth D	65.10	
25Apr81	7CD1	Mythical Ruler	b	3	126	20	51	51½	5hd	7½	172	172½	Wirth K B	f-7.90
23Apr81	7Kee1	Proud Appeal	3	126	5	3½	31½	32	8hd	183	182	Fell J	a-2.30	
11Apr81	9OP2	Top Avenger	3	126	14	1hd	11	1hd	191	193	194½	Snyder L	f-7.90	
23Apr81	7Kee7	Habano	3	126	6	9hd	111	122	201½	204	205	Feliciano B R	f-7.90	
23Apr81	7Kee3	Golden Derby	3	126	2	7½	82½	62½	21	21	21	Espinoza J C	a-2.30	

a-Coupled: Proud Appeal and Golden Derby.
f-Mutuel field.

OFF AT 5:41 EDT. Start good. Won ridden out. Time, :21¼, :45½, 1:10½, 1:36, 2:02 Track fast.

\$2 Mutuel Prices:	4- PLEASANT COLONY	_____	9.00	5.60	4.40
	6- WOODCHOPPER	_____		23.40	13.00
	12- PARTEZ (f-field)	_____			4.00

Dk. b. or br. c, by His Majesty—Sun Colony, by Sunrise Flight. Trainer Campo John P. Bred by Evans T M (Va).

PLEASANT COLONY, taken in reserve leaving the gate and then patiently and well ridden, was under good control by the jockey while rapidly working into contention through the field on the final turn and settled outside the leaders for the drive at the head of the stretch. He raced past PARTEZ with authority and Velasquez using the whip four times left-handed and once on the right, and was ridden out by hand to hold WOODCHOPPER safe. WOODCHOPPER, also held in reserve the first half-mile, threaded between horses and closed resolutely from the top of the top of the stretch to be gradually increasing his advantage over the others. PARTEZ, reserved just off of the first flight for a half-mile, reached the front between calls in the early stretch but offered no resistance to the winner, relaxed when Hawley mis-judged the finish line and rose in the irons at the sixteenth pole as he was relinquishing second to WOODCHOPPER, then finished evenly with the jockey riding him out the final yards. CLASSIC GO GO, another reserved off of the fast early pace, advanced steadily on the final turn and into the last furlong, then was hanging at the end. TELEVISION STUDIO, last from the gate and well back into the far turn, lost ground circling horses and finished determinedly near the center of the track. PASS THE TAB briefly appeared threatening on the stretch turn and tired. SPLENDID SPRUCE raced on the inside and lacked a closing response. FLYING NASHUA was in traffic most of the race and lacked a rally. NOBLE NASHUA did not threaten. BOLD EGO was lightly rated with a fast early pace, responded to take command on the stretch turn but had little left the final quarter-mile. DOUBLE SONIC made up ground the last half-mile without threatening. HOEDOWN'S DAY tired. BEAU RIT saved ground. TAP SHOES was in close traffic at the first turn. CURE THE BLUES was kept wide and tired. WELL DECORATED was a factor for a mile and faltered. MYTHICAL RULER was extremely wide. PROUD APPEAL bid for the lead along the rail in the backstretch and stopped. TOP AVENGER was used up with the fast early pace. HABANO was used up early. GOLDEN DERBY was shuffled back along the rail at the first turn, recovered to race forwardly placed but stopped in the drive.

Owners— 1, Buckland Farm; 2, Greentree Stable; 3, Davis E & Greene Mr-Mrs H; 4, Winchell V H; 5, Bwamazon Farm; 6, Villareal L; 7, Surf and Turf Stable; 8, Digiulio & Holman & Jensen & Ronca; 9, Flying Zee Stable; 10, Double B Ranch & Kidd J; 11, Elias F & L; 12, Dominguez-Freidel-Thatcher; 13, Roussel Carole; 14, Peters L & Hancock III et al; 15, Firestone B R; 16, Allen Herbert; 17, Risen Al Jr & Price Paxton; 18, Winfield M H et al; 19, Bishop W P; 20, Coello M A; 21, Lehmann F E & Gaines J R.

Scratched—Wayward Lass (1May81 8CD3).

THE WINNER'S PEDIGREE AND CAREER HIGHLIGHTS

PLEASANT COLONY (Dark Bay or Brown Colt)	{	His Majesty	{	*Ribot	{	Tenerani
				Flower Bowl		Romanella
	{	Sun Colony		Sunrise Flight		*Alibhai
				*Colonia		Flower Bed
						Double Jay
						Misty Morn
						Cockrullah
						Naiga

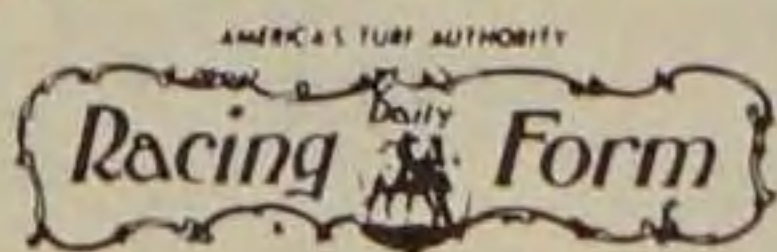
Year	Age	Sts	1st	2nd	3rd	Won
1980	2	5	2	1	0	\$87,968
1981	3	9	4	2	1	877,415
TOTALS		14	6	3	1	\$965,383

At 2 Years	{	WON	*Remsen
		2nd	Pilgrim
		UNP	Maryland Nursery
			*Placed first through disqualification.
At 3 Years	{	WON	Kentucky Derby, Wood, Preakness, Woodward
		2nd	Fountain of Youth, Travers
		3rd	Belmont Stakes
		UNP	Florida Derby, Marlboro Cup

Derby Day 1982



Bill was busy with his classes at UCLA and unable to make the trip to Kentucky, so I went alone. I arrived at the track well before the first race, joining the tens of thousands passing through the turnstiles. It's a great deal of fun to watch the diversity of people attending the Derby, from the celebrities and wealthy horse owners who arrive in chauffeur-driven limousines to the party-loving infielders, many of whom never see a horse all day. I positioned myself at the tote board in the back of the grandstand, which was, as we had learned at Derby '81, the most convenient location to watch the tote board and bet.



Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Trackman, Graham Ross					
CHURCHILL DOWNS					
Selections Made for Fast Track					
TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS
1 DOOR KING NATIVE NASHUA A TOAST TO HARRY	TONIMAROW BARRISTER SIB VERACITY	TONIMAROW BARRISTER SIB VERACITY	TONIMAROW VERACITY M. J.'S GLORY	TONIMAROW BARRISTER SIB VERACITY	TONIMAROW 20 BARRISTER SIB 6 DOOR KING 5
2 PRETTY MA AMI LOVE WAY COME ON CAMILLA	ALZABELLA COME ON CAMILLA ARTANIA	LIBRELLA ALZABELLA LOVE WAY	LOVE WAY ALZABELLA COME ON CAMILLA	LOVE WAY JAY'S PROMISE ALZABELLA	LOVE WAY 13 ALZABELLA 10 PRETTY MA AMI 5
3 FOUR CHAMP'S LE BON MAN BIRDBRAIN	STAR DRONE BIRDBRAIN LADY'S SAMSON	STAR DRONE FOUR CHAMP'S BIRDBRAIN	STAR DRONE ALIAS JAKE BIRDBRAIN	STAR DRONE BIRDBRAIN FOUR CHAMP'S	STAR DRONE 20 FOUR CHAMP'S 8 BIRDBRAIN 7
4 SUPER RIDGE EXCLUSIVE ROMEO GI GI BEAR	ROSSI GOLD EXCLUSIVE ROMEO BACKSTABBER	ROSSI GOLD NO BAY BACKSTABBER	ROSSI GOLD NO BAY SUPER RIDGE	ROSSI GOLD SUPER RIDGE BACKSTABBER	ROSSI GOLD 26 SUPER RIDGE 8 EXCLUSIVE ROMEO 4
5 AM JOY DUST OFF THE MAT POP'S LITTLE MAN	STOLEN GOODS ORANGEVILLE BARACO	DUST OFF THE MAT AM JOY STOLEN GOODS	BARACO ORANGEVILLE STOLEN GOODS	STOLEN GOODS BARACO ORANGEVILLE	STOLEN GOODS 12 BARACO 8 AM JOY 7
6 WHAT IT IS OIL CITY TIM'S MARKFIVE	WHAT IT IS D. J. ROAD MIROMAN	WHAT IT IS D. J. ROAD OIL CITY	MIROMAN TIM'S MARKFIVE EXECUTION'S REASON	OIL CITY D. J. ROAD WHAT IT IS	WHAT IT IS 16 OIL CITY 8 D. J. ROAD 6
7 LISTCAPADE SOY EMPEROR JOHNNY CAN HOP	LISTCAPADE CUT AWAY NOTED	LISTCAPADE NOTED SOY EMPEROR	LISTCAPADE SOY EMPEROR NOTED	LISTCAPADE SOY EMPEROR NOTED	LISTCAPADE 27 SOY EMPEROR 7 NOTED 5
8 MUTTERING EL BABA ROYAL ROBERTO	EL BABA MUTTERING AIR FORBES WON	EL BABA AIR FORBES WON MUTTERING	EL BABA AIR FORBES WON MUTTERING	EL BABA AIR FORBES WON MUTTERING	EL BABA 24 MUTTERING 10 AIR FORBES WON 7
9 DOUBLE THREES ENDEMONIADO LUDICROUS	AVATOIL DUAL TRACKS ARGONAFITIS	ARGONAFITIS GENUINE MAGIC AVATOIL	AVATOIL ARGONAFITIS DOUBLE THREES	ARGONAFITIS GENUINE MAGIC DUAL TRACKS	ARGONAFITIS 13 AVATOIL 11 DOUBLE THREES 6
10 AVIONIC OLD HUNDRED ROYAL NIN	AVIONIC BRAD SHY OMAR	AVIONIC NO SAD NEWS DASH AND C.	AVIONIC NO SAD NEWS NATIVE DIGGER	AVIONIC OLD HUNDRED NO SAD NEWS	AVIONIC 25 NO SAD NEWS 5 OLD HUNDRED 4

Alzabella Is the First Dr. Z System Bet

The first Dr. Z system bet was in the second race for three-year-old maiden fillies.

6 1/2 FURLONGS		WIN	PLACE	SHOW
MAIDEN PURSE \$8,500 (Plus \$2,200 from the Kentucky Thoroughbred Development Fund) MAIDEN FILLIES THREE YEARS OLD, 119 lbs.		2		
Track Record—DOGOON (5) 121 lbs.; 1:16; Nov. 5, 1957				
MAKE SELECTION BY NUMBER				
Owner	Trainer			Jockey/Morn. Line
1	S. HUBERT MAYES, JR. AND FLETCHER CLEMENT Red & Blk. Hal., Wh. Sash, Rd & Blk. Dots on Slvs., Rd. Cp.. ARTANIA Gr.f.(1979), Ruritania—Arctic Actress	RICHARD B. MATTINGLY		12 TRAVIS HIGHTOWER
2	MARTIN-WEIR STABLE (Gary Weir and Polly Martin) Blue, Red & White Dia., Red Dia. on Wh. Slvs. Blue Cap COME ON CAMILLA B.f.(1979), Winds Of Thought—Song Of Nashua	JERRY CALVIN		15 JOHN LIVELY
3	JAMES A. ARATA Maroon, White Circled "A," White Sleeves Maroon Cap LIKE A PICASSO Gr.f.(1979), Sr. Diplomat—Empress Erin	FORREST KAELEN		30 TOMMY BARROW
4	DUNTREATH FARM (James Grissom) White, Red "G," Red Collar, Red Cuffs, Red Cap LOVE WAY Ro.f.(1979), Drone—Betty Spur	MICHAEL J. GRISSOM		4 EDDIE DELAHOUSSEY
5	LOBLOLLY STABLE (John E. Anthony) Yellow, Brown Triangle, Brown Triangle on Slvs., Yellow Cap LIBRELLA Dk.b. or br.f.(1979), Roberto—Fiesta Libre	C. R. MCGAUGHEY III		10 EDDIE MAPLE
6	LESLIE COMBS II AND FRANCIS KERNAN Orange, Blue Bars on Sleeves, Blue Cap SANS PAREIL B.f.(1979), Quack—Joans Paris	RAY LAWRENCE, JR.		5 JAMES WELLMAN
7	H. J. SNAVELY Blue, Silver Sash, Silver Stripes on Sleeves Blue Cap ERUDITE ROAD Ch.f.(1979), Barbs Delight—Cedar Road	DIANNE CARPENTER		30 JULIO ESPINOZA
8	JOHN W. FLOYD White, Black "JWF," Gold Bars on Sleeves White Cap ALZABELLA Ch.f.(1979), Top Command—Alza	WAYNE MURTY		3 JORGE VELASQUEZ
9	440 RANCH (Norman Blankenship) White, Green Twin Spires, White Cap SUE'S MASTER Dkb. or br.f.(1979), Master Hand—Sue's Susie	JACK VAN BERG		10 DARRELL HAIRE
10	ROBERT G. KLUENER AND TAYLOR ASBURY White, Orange Dots, Orange Cap DON'T DELAY BABE B.f.(1979), Naskra—Within Limits	NEIL J. HOWARD		30 JIM MCKNIGHT
11	WARREN KING Silver, Black "KK," Silver Bars on Black Sleeves Black Cap JAY'S PROMISE B.f.(1979), Fabled Monarch—Passions Promise	D. E. HUGHES		4 ANTHONY RINI
12	ARCHIE DONALDSON Maroon, Maroon Bars on Blue Sleeves Maroon Cap CARO'S DESIGN GIRL Gr.f.(1979), Caro—Beautiful Design	J. J. SARNER, JR.		12 RANDY ROMERO
Scratched—PRETTY MA AMI, LADY JACK, ALL BRAVE, LOVIN HAWAIIAN				
Selections 8—4—11—6				

Two minutes before post time, the mutuels on the lightly raced Alzabella were

	Totals	#8 Alzabella	Expected Value per Dollar Bet on Alzabella
Odds		2—1	
Win	220,845	60,820	
Show	96,105	15,716	1.23

SECOND RACE

Churchill

MAY 1, 1982

6 1/2 FURLONGS. (1.16) MAIDEN. SPECIAL WEIGHT. Purse \$8,500 (plus \$2,200 from the KTDF). Fillies. 3-year-olds. Weight, 119 lbs.

Total purse \$10,700. Value of race \$10,590, value to winner \$6,955, second \$2,140, third \$1,070, fourth \$425. (\$110 reverts to the KTDF). Mutuel pool \$465,680.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	Str	Fin	Jockey	Odds \$1
28Feb82	4SA	3					4hd	2 1/4	1-3	1-5	Velasquez J	1.90
			3	119	8	6	9 1/4	7hd	2-1	2-2 1/2	Maple E	9.00
9Apr82	4GP	7					10-1	8-3	5-2	3no	Wellman J-10	12.90
16Apr82	3Kee	5					6-2	6hd	4-1 1/4	4 1/4	Lively J	31.80
22Apr82	2Kee	2					5hd	3-3	3hd	5-2 1/2	Rini A	3.20
29Mar82	6OP	10					2 1/4	1 1/4	6-3	6-2 1/4	Haire D	35.50
			3	119	9	3	12	12	8-3	7-1 1/4	Romero R P	33.80
14Apr82	2Kee	3					7hd	10-2	7hd	8-4	Delahoussaye E	2.50
8Apr82	4OP	5					1hd	4 1/4	10-3	9hd	Hightower T W-5	33.20
22Apr82	2Kee	6					11-2	11-1 1/4	9hd	10-3 1/4	Barrow T+	64.80
24Apr82	5CD	11					3-1 1/4	5hd	11hd	11no	Espinoza J C	69.50
21Apr82	2Kee	9					8-1	9hd	12	12	McKnight J	67.60
OFF AT 12:17. Start good for all but JAY'S PROMISE. Won handily. Time, :22 4/5, :46 2/5, 1:11 1/5, 1:17 3/5 Track fast.												
\$ 2 Mutuel Prices:												
8- ALZABELLA..... 3.80												
5- LIBRELLA..... 5.80												
6- SANS PAREIL..... 5.60												

Ch. f by Top Command-Alza, by Olden Times. Trainer Murty Wayne. Bred by Floyd J W (Ky).

ALZABELLA, just behind the early leaders, came up to challenge entering the lane, drew off in upper stretch and increased the margin under a hand ride. LIBRELLA, allowed to settle, rallied to be clearly second best but was no threat to the winner. SANS PAREIL, unhurried, lacked running room when launching a bid in the lane. COME ON CAMILLA lacked the needed response. JAY'S PROMISE broke fastest but bobbed leaving the gate and fired in the lane. SUE'S MASTER vied for the lead until the stretch and gave way. LOVE MAY had no rally. ARTANIA made the pace briefly and gave way. ERUDITE ROAD had brief speed.

Owners- 1, Floyd J W; 2, Loblolly Stable; 3, Combs II & Kerman; 4, Weir-Martin Stable; 5, King W; 6, 440 Ranches; 7, Donaldson A; 8, Duntreath Farm; 9, Hayes Jr & Clement; 10, Arata J; 11, Snavely H J; 12, Klusner R & Asbury T.

Trainers- 1, Murty Wayne; 2, McLaughy C R III; 3, Laurence Ray Jr; 4, Calvin Jerry; 5, Hughes Donald E; 6, Van Berg Jack C; 7, Garner Jerome J Jr; 8, Grissom Michael J; 9, Mattingly Richard B; 10, Kaelin Forrest; 11, Carpenter Dianne; 12, Howard Neil J.

+ Apprentice allowance waived: Like a Picasso 5 pounds.

Scratched- Pretty Ma Ami (10Apr82 2Kee 8); Lady Jack (15Feb82 3SA 11); All Brave (28Oct81 6Aqu 6); Lovin Hawaiian (29Mar82 5OP 5).

With Kentucky's track take of 15%, equation (4.4) indicated that the expected value per dollar bet to show was 1.23. With my betting fortune of \$400, the optimal bet was \$88. With Jorge Velasquez in the saddle, Alzabella ran an excellent race, winning by five lengths. She paid \$3.80 to show, so my \$88 bet returned \$167.20, for a profit of \$79.20. The chart of the race is on page 208.

A Late Scratch

The fourth race was an allowance race involving horses at least four years old. For three of the seven horses, this was their first outing of 1982. The class of the field was Rossi Gold, with earnings of \$500,608 and a lifetime record of 20 in-the-money finishes in 26 races. He was the "best pick of the day" by three of the five *Daily Racing Form's* experts and was the favorite of the crowd.

START

6 1/2 FURLONGS

FINISH

ALLOWANCE
PURSE \$15,000

WIN

PLACE

SHOW

4

(Plus \$3,700 from the Kentucky Thoroughbred Development Fund)
FOUR-YEAR-OLDS AND UPWARD WHICH HAVE NOT WON \$3,250 TWICE SINCE HALLOWEEN OTHER THAN MAIDEN, CLAIMING OR STARTER, 121 lbs. Non-winners of \$9,750 twice in 1981-82 allowed 3 lbs.; \$9,750 in 1982, 6 lbs. \$6,500 twice in 1981-82, 9 lbs. (Races where entered for \$30,000 or less not considered.)

Track Record—DOGOON (5) 121 lbs.; 1:16; Nov. 5, 1957

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	WILLIAM G. CLARK White, Chocolate Cross Sashes Chocolate Cap SUPER RIDGE B.h.(1977), Riva Ridge—Midnight Madrigal	WILLIAM H. FIRES	15 JOHN LIVELY
2	MRS. JAMES H. RUTTER White, Black "R" on Gold Crown, Black Bars on Sleeves White Cap BACKSTABBER Dk.b. or br.g.(1976), Cutlass—Shower Of Flowers	WILLIAM I. MOTT	7-2 RONALD ARDOIN
3	SHAMROCK HILL FARM (M. P. Ryan) Green, White Sleeves, Green Cap NO BAY Dk.b. or br.g.(1978), Mo Bay—Queen Em	E. W. REYNOLDS	5 RANDY ROMERO
4	W. P. THOMPSON Pink, Black "T" Pink Cap EXCLUSIVE ROMEO Ch.h.(1977), Gallant Romeo—Baby Louis	DEWEY SMITH	6 DARRELL HAIRE
5	LESLIE COMBS II Orange, Blue Bars on Sleeves Blue Cap ROSSI GOLD B.g.(1976), Taj Rossi—Rock Gold	RAY LAWRENCE, JR.	4-5 PAT DAY
6	BETTY CONRAD AND NONA RODRIQUEZ Green, White "MO," Green Cap GI GI BEAR B.c.(1978), Slade—Amy Jo	JOSE T. RODRIQUEZ	30 PHILLIP RUBBICCO
7	440 RANCH (Norman Blankenship) Green, White Twin Spires, Green Cap BILLBOARD B.h.(1977), Crimson Satan—Poster Girl	JACK VAN BERG	15 JEFF FELL

Selections 5—2—3—4

One minute to post time, the tote board was as follows:

	Totals	#5 Rossi Gold	Expected Value per Dollar Bet on Rossi Gold
Odds		3—5	
Win	388,375	184,016	
Show	163,553	43,207	1.26

An expected value per dollar bet to show of 1.26 on a heavy favorite such as Rossi Gold suggests a large Dr. Z system bet. With my betting wealth now \$479.20, the optimal bet was \$294. I bet just as the horses were entering the starting gate. Unfortunately, at that moment, Exclusive Romeo, the number 4 horse, injured himself at the gate and was scratched. This meant a delay of the race for five minutes while the public was allowed to collect their refunds on Exclusive Romeo and rebet. This also meant the Dr. Z system bet on Rossi Gold could turn sour if there was heavy betting on him to show due to the delay. Fortunately this was not the case, as the final tote board indicated:

	Totals	#5 Rossi Gold	Expected Value per Dollar Bet on Rossi Gold
Odds		3—5	
Win	387,974	193,574	
Show	155,275	46,062	1.22

Rossi Gold won with a strong finish and paid \$2.40 to show, a good payoff considering a six-horse field and a 3—5 favorite. My \$294 bet returned \$352.80, for a profit of \$58.80. The chart of the race was as follows:

FOURTH RACE

Churchill

MAY 1, 1982

6 1/2 FURLONGS. (1.16) ALLOWANCE. Purse \$15,000 (plus \$3,700 from the KTDF). 4-year-olds and upward which have not won \$3,250 twice since October 31 other than maiden, claiming or starter. Weight, 121 lbs. Non-winners of \$9,750; twice in 1981-82, allowed 3 lbs.; of \$9,750 in 1982, 6 lbs.; of \$6,500 twice in 1981-82, 9 lbs. (Races where entered for \$30,000 or less not considered).

Total purse \$18,700. Value of race \$17,960, value to winner \$12,155, second \$3,000, third \$1,870, fourth \$935. (\$740 reverts to the KTDF.) Mutuel pool \$744,562.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	Str	Fin	Jockey	Odds \$1	
18Oct81	BWO 13	Rossi Gold		6	121	4	5	5-2	5-1	3-1	1-2½	Day P	.6
28Mar82	9FG 3	Backstabber		6	121	2	4	3-2	3-3	2-1½	2-2	Ardoin R	3.0
6Apr82	BOP 3	Billboard		5	114	6	2	2-1½	1hd	1-1	3-2½	Fell J	33.3
21Apr82	8Kee 4	Super Ridge	b	5	115	1	6	6	6	6	4-3½	Lively J	5.3
20Apr82	8Kee 5	GI GI Bear		4	112	5	1	4-5	4-1	5	5-1½	Rubbicco P	23.4
4Dec81	9FG 3	No Bay	b	4	115	3	7	1-1½	2-1	4-1½	6	Romero R P	7.0
OFF AT 1:53. Start good. Won ridden out. Time, :22 2/5, :40, 1:10 1/5, 1:16 2/5 Track fast.													
\$ 2 Mutuel Prices:													
5- ROSSI GOLD.....												3.20	
2- BACKSTABBER.....												2.40	
7- BILLBOARD.....												3.00	
												2.60	
												4.20	

OFF AT 1:53. Start good. Won ridden out. Time, :22 2/5, :40, 1:10 1/5, 1:16 2/5 Track fast.

\$ 2 Mutuel Prices:

5- ROSSI GOLD.....	3.20	2.40	2.40
2- BACKSTABBER.....		3.00	2.60
7- BILLBOARD.....			4.20

B. g, by Taj Rossi-Rock Gold, by Fleet Nasrullah. Trainer Lawrence Raymond Jr. Bred by Spendthrift Farm (Ky).

ROSSI GOLD, unhurried, rallied on the outside when set down for the drive and drew clear late while ridden out to the wire. BACKSTABBER, allowed to settle, was no match for the winner when challenged but continued willingly to be clearly second best. BILLBOARD prompted the early pace, gained the advantage entering the lane but could not stay with the top two. SUPER RIDGE had no speed. NO BAY, away alertly, made the early pace and gave way. EXCLUSIVE ROMEO INJURED HIMSELF WHEN BEING LOADED IN THE STARTING GATE AND WAS ORDERED SCRATCHED BY THE STEWARDS ON THE ADVICE OF THE TRACK VETERINARIAN. ALL WAGERS ON HIM WERE ORDERED REFUNDED.

Owners- 1, Combs L II; 2, Rutter Mrs J H; 3, 440 Ranches; 4, Clark W G; 5, Conrad & Rodriguez Mmes; 6, Shamrock Hill Farm. Trainers- 1, Lawrence Raymond Jr; 2, Mott William I; 3, Van Berg Jack C; 4, Fires William H; 5, Rodriguez Jose T; 6, Reynolds Edward W.

Overweight: Billboard 2 pounds.
Scratched- Exclusive Romeo(17Aug81 8AP 5).

Baraco in the Fifth

The fifth race, for three-year-olds, also had a small field of only seven horses. The consensus of the *Daily Racing Form's* experts gave the nod to Stolen Goods, but the public preferred the front-running Baraco. The public, however, overlooked the show bet on Baraco.

START

6 1/2 FURLONGS

FINISH

WIN

PLACE

SHOW

5

ALLOWANCE

PURSE \$15,000

(Plus \$3,700 from the Kentucky Thoroughbred Development Fund)

THREE-YEAR-OLDS WHICH HAVE NOT WON \$6,825 THREE TIMES OTHER THAN MAIDEN OR CLAIMING, 122 lbs. Non-winners of \$9,750 twice in 1982 allowed 3 lbs.; \$7,800 in 1982, 6 lbs.; \$6,500 twice, 10 lbs. (Maiden, claiming or starter races not considered in allowances.)

Track Record—DOGOON (5) 121 lbs.; 1:16; Nov. 5, 1957

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	MARVIN WARNER White, White "W" on Red Ball, Red Stripes on Sleeves White Cap BARACO B.c.(1979), Barachois—Cohasset	WILLIAM SWEENEY 119	5-2 CHARLES WOODS, JR.
2	GEORGE A. ZIMMERMAN White, Blue Sash, Blue Bars on Sleeves White Cap DUST OFF THE MAT B.c.(1979), Run Dusty Run—Somersault	JAMES E. MORGAN 112	4 TOMMY MEYERS
3	JACK E. SOWARDS Red, White Bar "S," Blue Stars on White Sleeves Red Cap THE GREAT UPHEAVE Ch.c.(1979), Novaya—Nursing	OWNER 112	30 EDDIE DELAHOUSAYE
4	BETTY CONRAD AND NONA RODRIQUEZ Green, White "MO," Green Cap AM JOY Dk.b. or br.c.(1979), Slade—Amy Jo	JOSE T. RODRIQUEZ 112	10 PHILLIP RUBBICCO
5	FARID SEFA Red, Yellow "S" Red Cap ORANGEVILLE Ch.g.(1979), Get Araction—Naked Kiss	LARRY. D. EDWARDS ***102	12 BRENDA HILL
6	BAYARD SHARP Purple, Gold Sash, Gold Bars on Sleeves Purple Cap STOLEN GOODS B.g.(1979), Dewan—Sweet Robbery	DEL W. CARROLL 119	8-5 RANDY ROMERO
7	JOHN FRANKS Green, Orange "JF" on White Ball, Orange and White Halved Sleeves, Green Cap POP'S LITTLE MAN Ch.c.(1979), Billy Rogell—Touch of Midas	ROBERT HOLTHUS 119	5 DARRELL HAIRE

With two minutes to post time the tote board read as follows:

		#1 Baraco	Expected Value per Dollar Bet on Baraco
Totals			
Odds		7—5	
Win	432,641	152,413	
Show	179,553	40,439	1.18

	Totals	#1 Baraco	Expected Value per Dollar Bet on Baraco
Odds		6—5	
Win	441,870	157,536	
Show	182,503	41,956	1.17

FIFTH RACE 6 1/2 FURLONGS. (1.16) ALLOWANCE. Purse \$15,000 (plus \$3,700 from the KTDF). 3-year-olds, which have not won \$6,825 three times other than maiden or claiming. Weight, 122 lbs. Non-winners of \$9,750 twice in 1982 allowed 3 lbs.; of \$7,800 in 1982, 6 lbs.; of \$6,500 twice, 10 lbs. (Maiden, claiming and starter races not considered in allowances).

Total purse \$18,700. Value of race \$17,590, value to winner \$12,155, second \$3,000, third \$1,500, fourth \$935. (\$1,110 reverts to the KTDF). Mutuel pool \$841,848.

Last Raced	Horse	Eqt.	A.	Wt.	PP	St	1/4	1/2	Str	Fin	Jockey	Odds		
15Apr82	7Kee 6	Am Joy	b	3	112	4	2	2-1	2-3	1 1/2	1 1/2	Rubbicco P	11	
3Apr82	7Kee 3	Baraco	b	3	119	1	4	1hd	1hd	2-1	2nk	Woods C R Jr	1	
23Apr82	6Kee 7	Orangeville		3	105	5	1	4-2 1/2	3-1 1/2	3-2 1/2	3-3	Hill B M-10	12	
16Apr82	8Kee 7	Dust Off the Mat		3	113	2	3	3-1 1/2	4-3	4-3	4-1 1/2	Meyers T	9	
23Apr82	6Kee 5	The Great Upheave	b	3	115	3	5	5 1/2	5-3	5-2 1/2	5-2	Delahoussaye E	27	
15Apr82	7Kee 9	Pop's Little Man	b	3	119	7	7	7	7	7	6no	Haire D	4	
20Apr82	5Kee 1	Stolen Goods		3	119	6	6	6-5	6-2	6hd	7	Romero R P	2	
OFF AT 2:40. Start good. Won driving. Time, :22 4/5, :46, 1:11 3/5, 1:18 3/5 Track fast.														
\$ 2 Mutuel Prices:		4-	AM JOY.....									24.00	7.20	4.60
		1-	BARACO.....										3.60	3.00
		5-	ORANGEVILLE.....											4.20

Ok. b. or br. c, by Slade-Amy Jo, by Sir Mango. Trainer Rodriguez Jose T. Bred by Rodriguez N & Conrad B (Ky).
AM JOY settled away nicely after an alert beginning, responded to strong urging and outfinished BARACO. The latter moved up quickly along the rail to take a slight lead over AM JOY and was not good enough in the stretch drive. ORANGEVILLE, well placed behind the top pair, loomed boldly within the last furlong and was hanging slightly at the finish. DUST OFF THE MAT lacked a closing response. THE GREAT UPHEAVE had no mishap. POP'S LITTLE MAN and STOLEN GOODS were outrun.
Owners- 1, Conrad & Rodriguez Mmes; 2, Warner M L; 3, Sefa F; 4, Zimmerman G A; 5, Sowards J E; 6, Franks J; 7, Sharp B.
Trainers- 1, Rodriguez Jose T; 2, Sweeney William; 3, Edwards Larry D; 4, Morgan James E; 5, Sowards Jack E; 6,
Holthus Robert E; 7, Carroll Del W.
Overweight: Orangeville 4 pounds; Dust Off the Mat 1; The Great Upheave 3.

*The Demolition Derby:
The 108th Run for the Roses*

The list of no-shows at the 1982 Kentucky Derby was more impressive than the entrants. The race had been nicknamed the "Demolition Derby," since many of the outstanding three-year-olds were sidelined because of injuries. Timely Writer, the impressive winner of the Flamingo Stakes and the Florida Derby, had required emergency abdominal surgery in late April. Deputy Minister, the 1981 two-year-old champion, had been injured in Florida. Conquistador Cielo, who later won the Belmont Stakes and horse-of-the-year honors, and Aloma's Ruler, who later won the Preakness Stakes, were both recovering from minor ailments. Stalwart had been retired. Lets Don't Fight had died. Hostage, the Arkansas Derby winner, was injured during a workout at Churchill Downs. Linkage was also missing. He was fit, but after three hard races in five weeks—winning both the Blue Grass Stakes by an impressive five lengths only nine days before, and the Forerunner Purse, and placing in the Louisiana Derby—he needed a rest and was skipping the Derby for the Preakness.

Despite the missing horses there were some impressive starters. The crowd's favorite was Air Forbes Won, to be ridden by Angel Cordero, Jr. In 1976, Cordero rode Air Forbes Won's sire, Bold Forbes, to victory in the 102nd Kentucky Derby. Air Forbes Won was undefeated in four starts in 1982, including the Wood Memorial and the Gotham Stakes, both at Aqueduct. The second favorite was El Baba, to be ridden by Don Brumfield. In ten starts the only horses who had beaten El Baba were Linkage and Hostage, both no-shows in the Derby. Another contender was Muttering, who four weeks earlier had won the Santa Anita Derby. Laffit Pincay, Jr. aboard Muttering would be trying for his first Kentucky Derby victory in nine attempts. Other contenders included Star Gallant with the great Bill Shoemaker, Royal Roberto, Laser Light, the one-eyed Cassaleria, Water Bank, Rockwall, and Gato Del Sol. Rock Steady had been scratched, leaving nineteen starters.

108th Running KENTUCKY DERBY EIGHTH RACE

1875

1982

\$250,000 ADDED ONE MILE and ONE-QUARTER
Plus \$25,000 from the Kentucky Thoroughbred Development Fund

For three-year-olds. By subscription of \$200 each. All nomination fees to Derby winner, \$5,000 to pass entry box, \$5,000 additional to start, \$250,000 added, of which \$60,000 to second, \$30,000

TRACK RECORD—SECRETARIAT (3), 126 lbs., 5-5-73, 1:59-2/5

to third, \$15,000 to fourth. \$150,000 guaranteed to winner to be divided equally in the event of a dead heat. Weight 126 lbs. The owner of the winner to receive a gold trophy.
Closed Tuesday, February 16, 1982, with 388 nominations.

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS

	OWNER	TRAINER	JOCKEY and Morning Line
1	ELMENDORF (Max Gluck) Gold, Royal Blue Sash, White Dots on Blue Sleeves, Gold Cap WATER BANK A	RON McANALLY	20
	B c, 1979, Naskra—Summertime by Crewman BRED IN KENTUCKY BY ELMENDORF FARM	MARCO CASTANEDA (P. P. 14)	126
1a	20 20 STABLE (James Brady, Tom Gentry & Ron McAnally, et al) Green and White Triangular Thirds, Green Cap CASSALERIA A	RON McANALLY	20
	Dk b or br c, 1979, Pretense—Special Charm by Verbatim BRED IN KENTUCKY BY BRADLEY FARMS & EDWIN BRADY	DARREL McHARGUE (P. P. 18)	126
2	LEN MAYER Purple, Pink, Orange and Green Chevrons, Pink, Orange and Green Chevrons on Sleeves, Purple Cap BOLD STYLE A	JACK VAN BERG	15
	B c, 1979, Bold Commander—Marianne Trench by Pago Pago BRED IN KENTUCKY BY LEN MAYER	JEFF FELL (P. P. 2)	126
3	MRS. JOE W. BROWN White, Black "B" and Stars, Red Cap EL BABA A	DEWEY SMITH	5-2
	B c, 1979, Raja Baba—Hail To El by Hail To All BRED IN KENTUCKY BY CHARLES GARTRELL	DON BRUMFIELD (P. P. 4)	126
4	KEY WEST STABLE (Mitchell D. Wolfson) Yellow, White Diamonds, White Bars on Sleeves, Yellow Cap ROYAL ROBERTO	JAMES ISELIN	20
	Dk b or br c, 1979, Roberto—Princess Roycraft by Royal Note BRED IN NEW YORK BY KEY WEST STABLE	M. A. RIVERA (P. P. 5)	126
5	JOHN, JR., JOHN & DAVID GREATHOUSE Gold, Green Yoke, Green Chevrons on Sleeves, Gold Cap Wavering Monarch A	GEORGE R. ARNOLD II	15
	B c, 1979, Majestic Light—Uncommitted by Buckpasser BRED IN KENTUCKY BY GLENCREST	RANDY ROMERO (P. P. 6)	126
6	EDWARD ANCHEL Blue and White Triangular Thirds, Blue Cap AIR FORBES WON	FRANK LaBOCCETTA	7-2
	B c, 1979, Bold Forbes—Bronze Point by Tobin Bronze BRED IN OHIO BY HOWARD B. NOONAN	ANGEL CORDERO, JR. (P. P. 7)	126
7	LIVE OAK PLANTATION (Mrs. Charlotte Weber) White, Red Dots, Black Sleeves, Red Cap LASER LIGHT	PATRICK J. KELLY	30
	B c, 1979, Majestic Light—Peaceful Union by Royal Union BRED IN FLORIDA BY LIVE OAK STUD	EDDIE MAPLE (P. P. 8)	126
8	TARTAN STABLE (Mrs. James Binger) Red, Tartan Sash, Red Cap MUTTERING	D. WAYNE LUKAS	4
	R c, 1979, Drone—Malvine by Gamin BRED IN FLORIDA BY TARTAN FARMS CORPORATION	LAFFIT PINCAY, JR. (P. P. 11)	126
9	NELSON BUNKER HUNT Light Green, Dark Green Blocks, Light Green Sleeves, Light Green Cap ROCKWALL A	VINCENT CLYNE	30
	B c, 1979, Cannonade—Fiddling Jimmer by Jimmer BRED IN KENTUCKY BY NELSON BUNKER HUNT	HERIBERTO VALDIVIESO (P. P. 15)	126
10	BUCKRAM OAK FARM (Mahmoud Fustak) Green, Red Sash, Red Band on Sleeves, Red Cap STAR GALLANT	LEONARD IMPERIO	8
	Dk b or br c, 1979, My Gallant—Liza Star by Bold Hitter BRED IN FLORIDA BY ROMA STABLE	WILLIAM SHOEMAKER (P. P. 17)	126

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS

	OWNER	TRAINER	JOCKEY and Morning Line
11	A. B. HANCOCK III & LEONE J. PETERS Grey, Yellow Sash, Yellow Sleeves, Yellow Cap GATO DEL SOL A	EDWIN J. GREGSON	10
	Gr c, 1979, Cougar II—Peacefully by Jacinto BRED IN KENTUCKY BY A. B. HANCOCK III & LEONE J. PETERS	EDDIE DELAHOUSSEY (P. P. 19)	126
12	RI-MA-RO STABLE (Roberto Perez & Robert DeFilippis) Yellow, Red Diamond Frame, Red Diamonds on Sleeves, Red Cap CUPECOY'S JOY	ALFREDO CALLEJAS	8
	B f, 1979, Northerly—Lady Abia by Alsina BRED IN NEW YORK BY ROBERTO PEREZ	ANGEL SANTIAGO (P. P. 1)	121
13	HERBERT ALLEN White, Red Cross Sashes, Red Blocks on Sleeves, Red Cap NEW DISCOVERY A	EUGENE JACOBS	8
	B c, 1979, Arts and Letters—Synphonos by Le Fabuleux BRED IN KENTUCKY BY MRS. WILLIAM DUPONT III	JERRY BAILEY (P. P. 3)	126
14	CARROLL W. GLASER, R. L. ELLETT, E. C. CAMP & L. C. MEHAFFEY Blue, Red "M" on White Ball, Red Sleeves, Blue Cap MUSIC LEADER	TOMMIE T. MORGAN	8
	Ch c, 1979, Scout Leader—Harp Music by Stage Door Johnny BRED IN FLORIDA BY DR. & MRS. E. C. HART & TOWN & COUNTRY FARMS LTD.	PAT DAY (P. P. 9)	126
15	HARBOR VIEW FARM (Louis D. Wolfson) Flamingo, White Bars on Black Sleeves, Black Cap REINVESTED	STANLEY M. HOUGH	8
	Ch c, 1979, Irish Castle—Crafty Alice by Crafty Admiral BRED IN FLORIDA BY REGAL OAK FARM	DON MacBETH (P. P. 10)	126
16	J. E. JUMONVILLE, SR. Red, White "JIM" in White Diamond Frame, White Sleeves, Red Cap REAL DARE	JOHN MABRY	8
	B g, 1979, Beau Geron—Big Dare by Kentucky Pride BRED IN LOUISIANA BY J. P. DORIGNAC, JR.	RICHARD GUIDRY (P. P. 12)	126
17	RUSSELL MICHAEL, JR. & ANTHONY J. KNAPP Poplar, Avocado "LM" and Diamonds, Avocado Stripes on Sleeves, Poplar Cap ROCK STEADY A	RONNIE G. WARREN	8
	Dk b or br c, 1979, Raise A Bid—Roccoco Miss by Lucky Debonair BRED IN KENTUCKY BY EUGENE C. CASHMAN	HOWARD TESHER	126
18	WOLFIE & SEYMOUR COHEN & RICHARD KUMBLE Blue, Light Blue Yoke, White "WC," Light Blue Band on Sleeves, Blue Cap WOLFIE'S RASCAL	JOSEPH B. CANTEY	8
	B c, 1979, London Company—Daisy Trimmer by Bold Discovery BRED IN FLORIDA BY RAY AMLUNG	JORGE VELASQUEZ (P. P. 16)	126
19	JOHN D. MARSH Yellow, Purple Panel, Yellow Bars on Purple Sleeves, Purple Cap MAJESTY'S PRINCE	JOSEPH B. CANTEY	8
	Ch c, 1979, His Majesty—Pied Princess by Tom Fool BRED IN VIRGINIA BY JOHN D. MARSH	RUBEN HERNANDEZ (P. P. 20)	126

A Indicates Foaled In Kentucky.

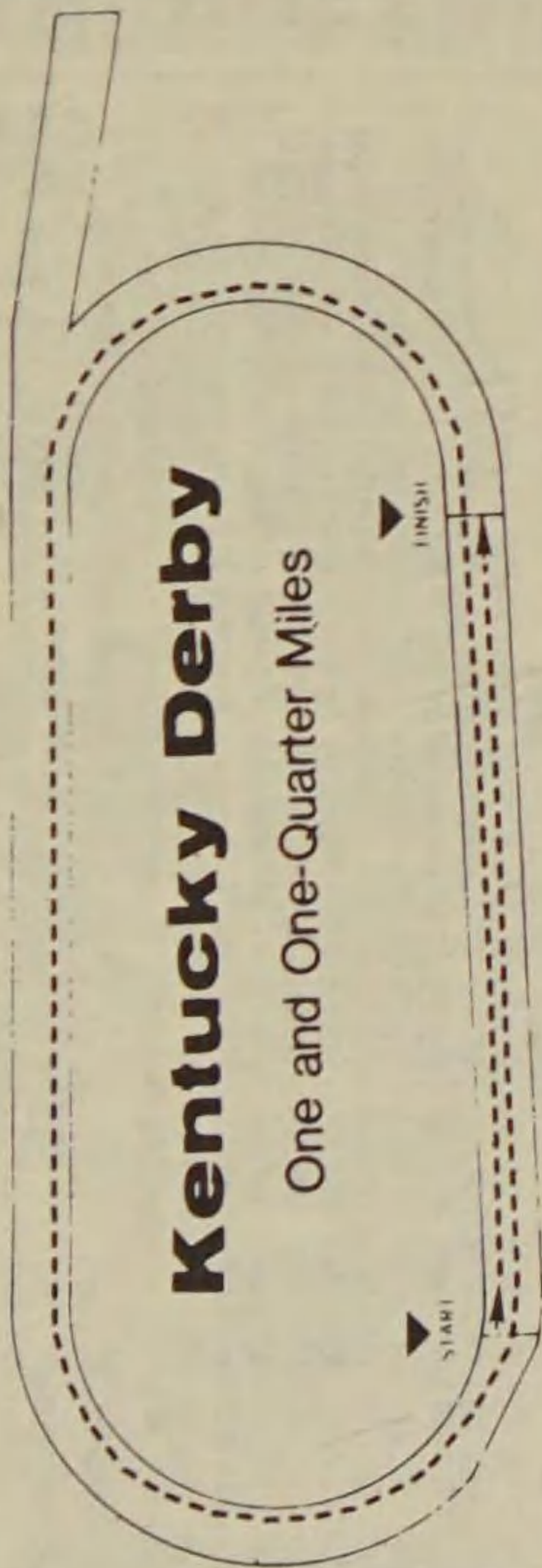
1-1a—Elmendorf—20 20 Stable Entry

FIELD—12-13-14-15-16-17-18-19

Selections—3-6-8-10

108th-Kentucky Derby-108th

Route the Field Will Travel



8th Churchill

1 1/4 MILES. (1.59%) 108th Running KENTUCKY DERBY Scale Weight (Grade 1) \$250,000 added (plus \$25,000 from the KTDF). 3-year-olds. By subscription of \$200. All nomination fees to winner. \$5,000 to pass entry box Thursday, April 29, \$5,000 additional to start. \$250,000 added, of which \$60,000 to second, \$30,000 to third, \$15,000 to fourth. \$150,000 guaranteed to winner (to be divided equally in the event of a dead heat). Weight, 126 lbs. Fillies 121, lbs. Starter (to be named through the entry box Thursday, April 29, at time of closing. In the event maximum number of starters for The Kentucky Derby will be limited to twenty. In the event more than twenty entries pass through the entry box at the usual time of closing, the twenty starters and up to eight also-eligibles will be determined at that time with preference given to those that accumulated the highest earnings. Should any entry (ies) be withdrawn from the starting field prior to 4 P.M. scratch time, Friday, April 30, vacancies will be filled from the also-eligible list and placed in the outside post position(s) in order of preference. For those that pass the entry box and are eliminated under this condition, the entry fee will be refunded. The owner of the winner to receive a gold trophy. Nominations close Tuesday, February 16. (Closed with 388 nominations.)



Coupled—Water Bank and Cassaleria.

Cupecoy's Joy

Own.—Ri-Ma-Ro Stables

Entered 30Apr82- 8 CD

27Mar82-9Lat	1 1/4 :463 1:113 1:443ft	9 1/2 115	2nd 23	25	35	SntgoA10 Jim B Spiral	82	Goodn'Dusty,FstGold,Cupcoy'sJoy 12
17Mar82-8Aqu	6f :224 :46 :1:11 gd	8-5 115	31	31 1/2 32	2nd 31 1/2 32	2nd 31 1/2 32	2nd 31 1/2 32	2nd 31 1/2 32
20Feb82-8Aqu	6f :223 :454:1:11 ft	*2 121	2nd 1st 14	2nd 1st 14	2nd 1st 14	2nd 1st 14	2nd 1st 14	2nd 1st 14
3Feb82-8Aqu	6f :221 :464:1:144sy	*2-3 121	—	—	—	—	—	—
Running positions omitted because of weather conditions.								
6Jan82-8Aqu	6f :221 :451:1:101ft	3 1/2 114	1st 1 1/2	2nd 1st 1/2	2nd 1st 1/2	2nd 1st 1/2	2nd 1st 1/2	2nd 1st 1/2
1Jan82-8Aqu	6f :223 :473:1:133sy	5 1/2 115	32 1/2 31 1/2	21	21 1/2	SantiagoA4 @Rosetown	75	NncyHung,Cupcoy'sJoy,ScritBgoni 8
5Dec81-8Aqu	6f :224 :47 :1:13 ft	13 122	2nd 31 1/2	21 1/2 32	SantiagoA4 @Treetop	77	Trove, Larida, Cupecoy's Joy 6	
29Nov81-8Aqu	7f :231 :464 :1:253ft	19 119	51 1/2 41 1/2	55 1/2 71 1/2	SantiagoA14 @A T Cole	62	AskMuhammad,ScritBgoni,GilfordLd 15	
18Nov81-8Aqu	7f :223 :46 :1:251m	6 1/2 115	13	11 1/2 12	SntgoA1 @SEast View	75	Cupecoy'sJoy,DamLittle,KeyStark 12	
28Oct81-1Aqu	7f :231 :463 :1:244m	2 116	11	1st 35 1/2 38 1/2	SntgoA1 @SEAw22000	68	ScritBgoni,FreePss,Cupcoy'sJoy 6	
18Oct81-8Aqu	7f :23 :46 :1:243ft	5 114	11 1/2 11	2nd 31 1/2	SantiagoA3 @D Runyon	75	GuilfordLd,MjesticKt,Cupecoy'sJoy 7	
2Sep81-8Bel	6f :222 :454 :1:112ft	*3-2 114	1st 1 1/2	2nd 1st 1/2	SntgoA6 @SEMohawk	83	PetluMurril,Cupcoy'sJoy,PrmirWho 9	
14Aug81-8Sar	6f :223 :454 :1:112ft	5 1/2 116	11 1/2 14	21	SantiagoA5 @SEEmpire	82	SluteMeSir,Cupecoy'sJoy,BrightKx 9	
13July81-8Bel	6f :23 :464 :1:122ft	3 1/2 117	14	15	18	SantiagoA10 @SEJmDn	80	Cupecoy'sJoy,GrndOldFig,DmLittl 13
● Mar 25 Lat 4ft :464 h								
● Apr 25 CD 5ft :59 h								
● Mar 12 Bel tr 1 ft 4ft :464 h								
● Mar 6 Bel tr 1 ft 1 ft :46 h								

Wavering Monarch

Own.—Greathouse Family

22Apr82-7Kee	1 1/4 :463 1:10	1:48 ft	5 1/2 121	32	21	22 1/2 36	RomroBp9 Blue Grass	91	Linkage,GtoDelSol,WveringMonrch 9
14Apr82-8Kee	a7f	1:261ft	*3-5 117	1st 1 1/2	12	110	Romero R P2 Aw14500	92	WyrngMonrch,PopcrnCsrl,Fil'sJt 10
2Apr82-4Kee	a7f	1:28 ft	*1 116	52 1/2 3nk 12	17 1/2	Romero R P6	Mdn	83	WyrngMonrch,PocktiffHp,BtthTms 8
Apr 29 CD 4ft :484 b									
Apr 21 Kee 3ft :354 b									
Apr 11 Kee 4ft :40 b									
Apr 8 Kee 5ft :59 h									

Air Forbes Won

Own.—Anchel E

17Apr82-8Aqu	1 1/4 :472 1:112 1:51 ft	*3-5 126	2 1/2 12 1/2	1nk	CordAJr2 Wood Mem	80	AirForbesWon,Shimtoore,LsrLight 10	
3Apr82-8Aqu	1 :442 :1:083 1:35-gd	2 1/2 114	54 1/2 2nd 1 1/2	13 1/2	Venezia M7	Gotham	88	AirForbesWon,Shimtor,BigBrvRock 8
20Mar82-5Aqu	7f :232 :462 1:234ft	*1-5 122	32 1/2 32 1/2	1st 13	Cordero AJr4 Aw16000	82	AirForbesWon,Illuminate,MjorFrnk 7	
4Mar82-4Aqu	6f :23 :464:1:11ft	*3-5 122	21 1/2 2nd 13	17 1/2	Cordero A Jr12	Mdn	88	AirForbesWon,SilvrPlk,ElvtrShos 12
● Apr 26 CD 7 1/2 sy 1:292 h								
● Apr 12 Aqu 7 1/2 ft 1:26 b								
● Mar 29 Aqu 6ft 1:123 h								
● Mar 18 Aqu 4ft gd :461 h (d)								

Laser Light

Own.—Live Oak Plantation

17Apr82-8Aqu	1 1/4 :472 1:112 1:51 ft	6 1/2 126	89 1/2 56	33	32 1/2	Maple E8	Wood Mem	77	AirForbesWon,Shimtoore,LsrLight 10
3Apr82-8GP	1 1/4 :471 :1:11 1:493ft	16 122	32	46	715 720	Maple E7	Fla Derby	64	TimelyWriter,StarGallnt,OurEscpde 7
18Mar82-8GP	1 1/4 :47 :1:114 1:434ft	*6-5 119	712 55	35	34 1/2	Maple E5	Aw14000	77	Hosage, Nor Bee, Laser Light 7
29Nov81-8Hol	1 1/4 :481 :1:141 1:4745f	3 1/2 121	1011:109	916	920	Maple E3	Hol Ful'y	36	Stalwart, Cassaleria, Header Card 12
14Nov81-8Aqu	1 1/4 :481 :1:131 1:504ft	*2-3e 113	54 1/2 11 1/2	15	15	Maple E8	Remsen	81	LsrLight,RelTwister,Wolfie'sRscL 11
5Nov81-6Med	1 1/4 :481 :1:113 1:443ft	*9-5 119	1212 98 1/2	45 1/2	23	MapleE8 Yng America	83	DeputyMinistr,LsrLight,RITwistr 14	
24Oct81-8Lr	1 1/4 :47 :1:122 1:443gd	6 1/2 122	56	43	21 1/2	Montoya D5	Lrl Ful'y	85	DeputyMinistr,LsrLight,tCgyCoughr 8
12Oct81-4Bel	1 :48 :1:124 1:372ft	9 1/2 118	76 1/2 51 1/2	11 1/2	12 1/2	Maple E3	Mdn	81	LsrLight,L.Wshingtonin,TidsOfChnc 7
Apr 26 CD 6f sy 1:153 h									
Apr 14 Bel 5ft 1:001 b									
Apr 10 Hia 3ft :37 b									
Apr 30 Hia 5f sy 1:00 hg									

Music Leader

Own.—Glaser C W

10Apr82-70P	170:47	1:131 1:431ft	6 116	43 1/2 41 1/2	44	68 1/2	Whited D E6	Aw35000	73	DropYourDrawers,HiPi,Listcapade 10	
29Mar82-90P	170:474	1:132 1:454ft	*2 115	3 1/2	4nk	31 1/2 35 1/2	Whited D E6	Aw25000	61	UnoRoberto,JudoJima,MusicLeader 8	
20Mar82-90P	170:46	1:122 1:434ft	32 113	49 1/2 33	34	41 1/2	Whited D E4	Rebel H	75	BoldStyle,Mjesty'sPrince,LostCrek 8	
13Mar82-9FG	1 1/4 :472 1:12	1:442ft	46 114	714	714	616	Poyadou B E8	Dby Trl	62	Linkage, El Baba,SpoonfulOfHoney 8	
7Feb82-8DeD	6 1/2 :241	:492 1:233ft	*2-5 117	1st 1 1/2	13	12 1/2	Cahanin J T3	Aw5500	80	MusicLeader,JukboxCindril,NivSbr 10	
31Dec81-9FG	6f :222	:454 1:113ft	12 118	97 105 1/2	89 1/2	810	Ardoir R9	Sgr Bowl H	77	El Baba, Talk of the Times,TuninIn 13	
19Dec81-5FG	6f :222	:462 1:124ft	*3-5e 115	65 1/2	46	56 1/2	Ardoir R2	Aw11500	79	ToughImp,GrayJohn,InevitableLeder 8	
29Aug81-9AP	7f :222	:461 1:291sy	18e122	65 1/2	56	34 1/2	Ardoir R7	Ap Wash Fly	55	LtsDontFight,TropicRuIr,MusclDr 15	
21Aug81-8LaD	6 1/2 :224	:454 1:18 ft	8-5 122	3nk	3nk	1 1/2	Ardoir R6	Aw16000	92	MusicLeader,InevitableDr,SwordVil 8	
1Aug81-7LaD	a7f :232	:4721:3131m	*8-5 114	53 1/2	31	1st 13 1/2	Ardoir R3	Grady Mad	89	MusicLdr,JustinScott,MissMolki 11	
23July81-8AKs	6f :221	:441 1:09 ft	30 116	84 1/2	53 1/2	33	Howard D L5	Juvenile	89	CruznDud,MusclDr,LtsDontFight 11	
11July81-5LaD	6f :222	:454 1:122ft	17 114	65 1/2	68 1/2	54 1/2	Poyadou B E6	Envoy	85	CruznDude,CherokCircl,MusclDr 8	
13Jun81-9LaD	5f :221	:462 :592ft	11 114	1111:113	85	59	Ardoir R2	Carousel	85	CruznDud,HommdLovin,RosJudg 13	
3May81-11Sun	5f :221	:461 :583gd	5 118	97	98 1/2	88 1/2	BrossetteAD6	R A Fut	80	PuckyHussy,RISculpton,InvtblDr 12	
24Apr81-6Sun	5f :223	:47 :591m	2 1/2 118	21 1/2	22	12	13 1/2	Brossette A D6	SpW	86	Music Leader, T. Dykes,John'sMary 9
29Mar81-10DeD	4f :222	:48 ft	6 1/2 118	8	89 1/2	79 1/2	34	BrsstLAD1	JeanLaFut	89	UminAreDens,RgiAvngr,MusclDr 10
20Mar81-7DeD	4f :231	:484ft	5 1/2 118	4	4nk	32 1/2	22	BrossetteAD9	Fut Trls	87	GryJohn,MusclLeder,HommdLovin 9
27Feb81-3DeD	4f :24	:492ft	4 1/2 122	2	1 1/2	12	1st	Brossette A D2	Mdn	86	MusicLeader,GrayJohn,BuzzinBebe 9
15Feb81-3DeD	2 1/2	:281ft	3 1/2 116	4	53 1/2	34 1/2	Lyda R4	—	—	—	CcheKing,Tmie'sBndit,MusclLdr 10
Apr 27 CD 1 gd 1:422 h											
Apr 6 OP 5ft 1:02 b											

B. c. 3, by Majestic Light—Uncommitted, by Buckpasser
Br.—Glencrest Farm (Ky)
1982 3 2 0 1 \$36,948
1981 0 M 0 0

126
Liftime 3 2 0 1 \$36,948
Tr.—Arnold George R II

22Apr82-7Kee 1 1/4 :463 1:10 1:48 ft 5 1/2 121 32 21 22 1/2 36 Linkage,GtoDelSol,WveringMonrch 9
14Apr82-8Kee a7f 1:261ft *3-5 117 1st 1 1/2 12 110 Romero R P2 Aw14500 92 WyrngMonrch,PopcrnCsrl,Fil'sJt 10
2Apr82-4Kee a7f 1:28 ft *1 116 52 1/2 3nk 12 17 1/2 Romero R P6 Mdn 83 WyrngMonrch,PocktiffHp,BtthTms 8
Apr 29 CD 4ft :484 b
Apr 21 Kee 3ft :354 b
Apr 11 Kee 4ft :40 b
Apr 8 Kee 5ft :59 h

B. c. 3, by Bold Forbes—Bronze Point, by Tobin Bronze
Br.—Noonan H B (Ohio)
1982 4 4 0 0 \$173,880
1981 0 M 0 0

126
Liftime 4 4 0 0 \$173,880
Tr.—LaBocchetta Frank

17Apr82-8Aqu 1 1/4 :472 1:112 1:51 ft *3-5 126 2 1/2 12 1/2 1nk CordAJr2 Wood Mem 80 AirForbesWon,Shimtoore,LsrLight 10
3Apr82-8Aqu 1 :442 :1:083 1:35-gd 2 1/2 114 54 1/2 2nd 1 1/2 13 1/2 Venezia M7 Gotham 88 AirForbesWon,Shimtor,BigBrvRock 8
20Mar82-5Aqu 7f :232 :462 1:234ft *1-5 122 32 1/2 32 1/2 1st 13 Cordero AJr4 Aw16000 82 AirForbesWon,Illuminate,MjorFrnk 7
4Mar82-4Aqu 6f :23 :464:1:11ft *3-5 122 21 1/2 2nd 13 17 1/2 Cordero A Jr12 Mdn 88 AirForbesWon,SilvrPlk,ElvtrShos 12
● Apr 26 CD 7 1/2 sy 1:292 h
● Apr 12 Aqu 7 1/2 ft 1:26 b
● Mar 29 Aqu 6ft 1:123 h
● Mar 18 Aqu 4ft gd :461 h (d)

B. c. 3, by Majestic Light—Peaceful Union, by Royal Union
Br.—Live Oak Stud (Fla)
1982 3 0 0 2 \$22,844
1981 5 2 2 0 \$207,580

126
Liftime 8 2 2 2 \$230,424
Tr.—Kelly Patrick J

17Apr82-8Aqu 1 1/4 :472 1:112 1:51 ft 6 1/2 126 89 1/2 56 33 32 1/2 Maple E8 Wood Mem 77 AirForbesWon,Shimtoore,LsrLight 10
3Apr82-8GP 1 1/4 :471 :1:11 1:493ft 16 122 32 46 715 720 Maple E7 Fla Derby 64 TimelyWriter,StarGallnt,OurEscpde 7
18Mar82-8GP 1 1/4 :47 :1:114 1:434ft *6-5 119 712 55 35 34 1/2 Maple E5 Aw14000 77 Hosage, Nor Bee, Laser Light 7
29Nov81-8Hol 1 1/4 :481 :1:141 1:4745f 3 1/2 121 1011:109 916 920 Maple E3 Hol Ful'y 36 Stalwart, Cassaleria, Header Card 12
14Nov81-8Aqu 1 1/4 :481 :1:131 1:504ft *2-3e 113 54 1/2 11 1/2 15 15 Maple E8 Remsen 81 LsrLight,RelTwister,Wolfie'sRscL 11
5Nov81-6Med 1 1/4 :481 :1:113 1:443ft *9-5 119 1212 98 1/2 45 1/2 23 MapleE8 Yng America 83 DeputyMinistr,LsrLight,RITwistr 14
24Oct81-8Lr 1 1/4 :47 :1:122 1:443gd 6 1/2 122 56 43 21 1/2 2no Montoya D5 Lrl Ful'y 85 DeputyMinistr,LsrLight,tCgyCoughr 8
12Oct81-4Bel 1 :48 :1:124 1:372ft 9 1/2 118 76 1/2 51 1/2 11 1/2 12 1/2 Maple E3 Mdn 81 LsrLight,L.Wshingtonin,TidsOfChnc 7
Apr 26 CD 6f sy 1:153 h
Apr 14 Bel 5ft 1:001 b
Apr 10 Hia 3ft :37 b
Apr 30 Hia 5f sy 1:00 hg

Ch. c. 3, by Scout Leader—Harp Music, by Stage Door Johnny
Br.—Hart E C & Town&CntryFm (Fla)
1982 5 1 0 1 \$10,942
1981 14 4 2 4 \$116,957
Turf 1 1 0 0 \$20,430

126
Liftime 19 5 2 5 \$127,899
Tr.—Morgan T T

10Apr82-70P 170:47 1:131 1:431ft 6 1/2 116 43 1/2 41 1/2 44 68 1/2 Whited D E6 Aw35000 73 DropYourDrawers,HiPi,Listcapade 10
29Mar82-90P 170:474 1:132 1:454ft *2 115 3 1/2 4nk 31 1/2 35 1/2 Whited D E6 Aw25000 61 UnoRoberto,JudoJima,MusicLeader 8
20Mar82-90P 170:46 1:122 1:434ft 32 113 49 1/2 33 34 41 1/2 Whited D E4 Rebel H 75 BoldStyle,Mjesty'sPrince,LostCrek 8
13Mar82-9FG 1 1/4 :472 1:12 1:442ft 46 114 714 714 616 628 Poyadou B E8 Dby Trl 62 Linkage, El Baba,SpoonfulOfHoney 8
7Feb82-8DeD 6 1/2 :241 :492 1:233ft *2-5 117 1st 1 1/2 13 12 1/2 Cahanin J T3 Aw5500 80 MusicLeader,JukboxCindril,NivSbr 10
31Dec81-9FG 6f :222 :454 1:113ft 12 118 97 105 1/2 89 1/2 810 Ardoir R9 Sgr Bowl H 77 El Baba, Talk of the Times,TuninIn 13
19Dec81-5FG 6f :222 :462 1:124ft *3-5e 115 65 1/2 46 56 1/2 52 1/2 Ardoir R2 Aw11500 79 ToughImp,GrayJohn,InevitableLeder 8
29Aug81-9AP 7f :222 :461 1:291sy 18e122 65 1/2 56 34 1/2 31 1/2 Ardoir R7 Ap Wash Fly 55 LtsDontFight,TropicRuIr,MusclDr 15
21Aug81-8LaD 6 1/2 :224 :454 1:18 ft 8-5 122 3nk 3nk 1 1/2 Ardoir R6 Aw16000 92 MusicLeader,InevitableDr,SwordVil 8
1Aug81-7LaD a7f :232 :4721:3131m *8-5 114 53 1/2 31 1st 13 1/2 Ardoir R3 Grady Mad 89 MusicLdr,JustinScott,MissMolki 11
23July81-8AKs

Bold Style

Own.—Mayer L										Tr.—Van Berg Jack C										Turf 1 1 0 0										\$21,331										\$10,020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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28Mar82-10FG	1½-464	1:112	1:503ft	2½	123	34	21½	1hd	1½	Brumfield D1 La Dby 91 El Baba, Linkage, SpoonfulofHoney 8	
13Mar82-9FG	1½-472	1:12	1:442ft	*2-3	125	22½	21½	22½	24	Brumfield D6 Dby Trl 86 Linkage, El Baba, SpoonfulofHoney 8	
27Feb82-90P	6f	222	.47	1:123m	*1-3	124	22½	12	1½	Brumfield D7 Hcp0 82 ElBaba, Moro, Johnny B. Fast 7	
12Feb82-80P	6f	223	.463	1:121gd	*4-5	123	61½	21½	1½	Brumfield D5 Hcp0 84 ElBaba,LostCreek,DropYourDwrs 8	
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21Nov81-8CD	1½-473	1:123	1:451ft	*5-5	119	1½	11½	13½	RomroRP4 Ky Jky C1b 82 El Baba,CrowntheKing,TalentTown 9		
11Nov81-7CD	7f	232	.47	1:244ft	*2-5	114	21½	41½	2hd	12 Brumfield D2 Aw18500 83 El Baba, Am Joy, Broad Minded 6	
31Oct81-2Kee	6f	222	.462	1:112ft	*1	121	2hd	1½	15	19 Brumfield D8 Aw14500 85 El Baba, Dreamide, Kings Dusty 12	
24Oct81-2Kee	6f	224	.463	1:114gd	*2	118	1½	13	16	116 Brumfield D10 Mdn 83 El Baba, Birdbrain, Sulletto 12	
Apr 24 CD 1ft 1:39½										Apr 6 OP 5ft 1:024 b	

Royal Roberto

wn.—Key West Stable										Tr.—Iselin James H										I2B										Lifetime										Turf										1981										\$18,600										\$7,800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Reinvested

Ow'n.—Harbor View Farm										Tr.—Hough Stanley M										Turf 1 1 0 0									
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17Apr82-8Aqu 1½-472 1:112 1:51 ft										20 126 79 710 67½ 55 MiolorR10 Wood Mem 75 AirForbesWon,Shimtores,LsrLight 10																			
20Mar82-10Tam 1½-47 1:113 1:451ft										11 114 86½ 3½ 1hd 11½ Buhr RD10 Tampa Dby 93 Reinvested,StgeReviewer,RTTwistr 12																			
1Mar82-7GP 1½-474 1:12 1:44 ft										*6-5 122 1hd 11½ 1hd 1no Brumfield D7 Aw13000 81 Rinvstd,DoYourDncng,SldConqst 8																			
22Feb82-3Hia 1½-482 1:131 1:444ft										*1 118 2hd 1½ 2½ 21 Brumfield D2 Aw14000 78 Star Choice, Reinvested, Pavarotti 7																			
13Feb82-10Hia 1½-461 1:102 1:484ft										6½ 114 2½ 21 67½ 616 BrlfD6 Everglades H 72 RoylRobto,NwDiscovery,VictorinLn 8																			
3Feb82-7Hia 1½-47 1:11 1:514ft										*8-5 120 43 33 1½ 2no Fell J12 Aw14000 73 Moore Dusty,Reinvested,CatchVilla 8																			
22Jan82-6Hia 1½ 1:51 fm										4 120 67½ 45 2½ 1½ Fell J12 Mdn 79 Reinvested, Phaedra, GuidingRule 12																			
9Jan82-4Hia 7f 232 .463 1:251ft										*1 120 105½ 86½ 65½ 79½ Vasquez J2 Mdn 67 Limrick,1 mPurGold,PrvtEncountr 12																			
Apr 15 Bel tr 1gd 1:39 h										*Apr 9 Bel tr 1gd 1:39 h										Mar 31 Hia 4ft .482 h									

Muttering

Own.—Tartan Stable									
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126	1981	7	3	1	0	\$108,429			

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	1/2	3/4	1	2	3	4	5	6	7	8	9
4Apr82-4SA	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
6Mar82-8SA	1	.443	1:091	1:342ft	9 1/2	121	610	43	42	2 1/2	McCrnCJ9 SA Rafael
23Dec81-8HOL	1 1/2	.471	1:113	1:431ft	5 1/2	117	31	1hd	11	1 1/2	PncLJr7 Auld Lg Syne
13Oct81-8SA	1 1/2	.461	1:103	1:421ft	8 1/2	118	75 1/2	65 1/2	43 1/2	1 1/2	Pincay L Jr2 Norfolk
14Oct81-8SA	1 1/2	.462	1:113	1:433ft	3	120	41	52 1/2	1hd	2 1/2	Pincay L Jr5 Rio Rey
4Oct81-8SA	1	.463	1:113	1:373ft	3	117	3 1/2	2 1/2	2 1/2	1 1/2	Pincay L Jr1 Aw21000
15Aug81-4Dmr	1	.462	1:12	1:391ft	2 1/2	117	1hd	—	—	—	McHrgueDG3 Aw18000
15Aug81—Eased											
18July81-8HOL	6f	.213	.444	1:102ft	14	117	84 1/2	112	114	10 1/2	Lipham T6 Juw Champ
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
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23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
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23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn
23Kee81-13b	1/2	.453	1:094	1:473ft	5	120	33	31 1/2	11	1no	Pincay L Jr6 SA Derby
10July81-6HOL	6f	.22	.452	1:111ft	5 1/2	116	43	3 1/2	2 1/2	1 1/2	Delabousaye E1 Mdn

Rockwall

B. c. 3, by Cannonade—Fiddling Jimmer, by Jimmer																	
Br.—Hunt N B (Ky)																	
Tr.—Clyne Vincent																	
Lifetime 6 2 1 \$146,525																	
17Apr82-8CG	1½	471	1:103	1:483ft	41	112	3½	1hd	1½	11½	11½	VldvsHA2 Calif Derby	90	Rockwall, Water Bank, Cassaleria	7		
4Apr82-6SA	1½	453	1:103	1:424ft	12	117	79½	41½	32	22½	Sibille R7	Aw21000	84	Tell Don, Rockwall, Penngrove	9		
27Dec81-4SA	1	471	1:12	1:362ft	8	120	77½	76	55	46½	Sibille R8	Aw20000	81	BargainBlcony,Botrell,AlmoStrnger	8		
20Dec81-6Hol	1	463	1:123	1:39 ft	3	117	81½	76½	52½	11½	Sibille R5	Mdn	71	Rockwall,FirstLarry,Linda'sBrother	9		
12Dec81-6Hol	1½	46	1:12	1:452ft	*2½	117	89½	2hd	21	32	Sibille R4	Mdn	66	LimoJohn,ChrgBetween,Rockwill	10		
29Nov81-6Hol	1	494	1:16	1:422sl	21	117	614	66	45	42½	Ramirez O3	Mdn	52	Botrell, Native Bello, Hell's Island	6		
Apr 29 CD 5f ft 1:01 h										Apr 15 SA 3f ft :352 h					Apr 10 SA 1 ft 1:374 h		
Apr 25 CD 1 ft 1:464 b										Apr 15 SA 3f ft :352 h					Apr 10 SA 1 ft 1:374 h		

Wolfie's Rascal

Own.—Cohen, Cohen, Kumble										126		Tr.—Teshar Howard M		1982 6 2 0 1 \$39,395										
										Lifetime		12 4 1 1 \$112,057												
17Apr82-8Aqu	1½	472	1:112	1:51 ft	21	126	55½	46	43	42½	VelsquzJS Wood Mem	77	AirForbesWon,Shimtooree,LsrLight	10										
27Mar82-9Lat	1½	463	1:113	1:443ft	*8-5	120	85½	814	614	612	BrcclVJr4 Jim BSpiral	75	GoodnDusty,FstGold,Cupcoy'sJoy	12										
6Mar82-10Hia	1½	462	1:104	1:493sy	14	122	119	85	66	55½	BrcclieVJr11 Flamingo	78	TimelyWriter,NewDiscovery,L.Dnsur	16										
24Feb82-8Aqu	1½	472½	1:221	1:51ft	2½	117	31½	1hd	1hd	11½	BrcclVJr6 Lucky Draw	90	Wolfi'sRscI,AskMuhammd,FstGold	11										
12Feb82-8Aqu	1½	474½	1:231	1:441ft	*2	119	2hd	1hd	2½	21	SantiagoA3 Whirlaway	91	AskMuhammd,Wolfie'sRscI,FstGold	7										
13Jan82-8Aqu	170	481	1:1321	1:424ft	*9-5	119	42½	—	1½	12½	Santiago A2	Aw18000	88	Wolfie'sRscI,SkInDncr,Shy'sRblion	6									
13Jan82—Running positions omitted because of weather conditions.																								
7Dec81-7Aqu	1½	471	1:1231	1:462ft	3	117	2½	2hd	1½	13½	Santiago A7	Aw17000	82	Wolfie'sRscI,ClsHro,MortggeMn	12									
22Nov81-8Aqu	1	46	1:11	1:364ft	5½	114	84½	77	68	68½	Santiago A6	Nashua	74	Our Escapade,John'sGold,Hostage	10									
14Nov81-8Aqu	1½	481	1:131	1:504ft	54	113	33½	43½	38	39½	Santiago A3	Remsen	71	LsrLight,RelTwister,Wolfie'sRscI	11									
26Oct81-5Aqu	1	464	1:122	1:383sy	7½	117	32½	64½	77½	79½	Velasquez J6	Aw17000	63	LiftOneA,SealedConquest,RedRng	8									
3Sep81-4Bel	7f	231	463	1:251ft	8½	114	41½	1hd	12½	14½	Velasquez J7	M55000	76	Wolfie'sRascal,ClearMn,ChptlerOne	9									
13Aug81-5Crc	6f	231	47	1:134ft	11	116	62½	55½	56½	56½	Guerra W A4	M50000	76	Drakus Here, Fitz's Night,IrishPete	6									
Apr 13 Aqu 6f ft 1:15 h										Apr 5 Kee 6f ft 1:142 h														
										● Mar 23 Lat 6f ft 1:132 h														
										Mar 13 Hia 7 f ft 1:292 b														

Star Gallant

Own.—Buckram Oak Farm										Tr.—Imperio Leonard										Lifetime 6 4 2 0 \$166,360									
126										126										126									
24Apr82-8CD										1 45 1:093 1:361ft										*1-3 122 1½ 15 11½ 21½ Hawley S4 Derby Trial 87 Listcapade,StarGlint,RoylRoberto 10									
3Apr82-9GP										1½ 471 1:111 1:493ft										6-5 122 1½ 12 1hd 22 Hawley S1 Fla Derby 82 TimelyWriter,StarGallnt,OurEscpde 7									
22Mar82-9GP										1½ 471 1:111 1:431ft										2½ 117 11½ 11 11 14 Hawley S5 Ftn Youth 85 StarGallant,DistinctivePro,CutAwy 9									
18Feb82-9Hia										7f 223 443 1:23 ft										*1-3 116 22 1hd 11 14 Hawley S7 Aw14000 86 Star Gallant, CutAway,Rex'sProfile 7									
23Dec81-8Aqu										6f 214 4531 1:11gd										*2-3 113 53½ 2hd 13 12½ Hernandez C3 Alsab 88 StrGlint,FoxmorFight,WndFrmThS 7									
10Dec81-4Aqu										6f 224 47 1:11 ft										*9-5 1117 42½ 2hd 12 16 Hernandez C10 Mdn 89 Star Gallant,Shimatoree,Joy'sMac 14									
Apr 22 CD 3f ft :343 h										Mar 30 GP 4f gd :47 b										Mar 15 Hia 6f ft 1:102 h									
Mar 7 Hia 4f ft :453 h										Mar 30 GP 4f gd :47 b										Mar 7 Hia 4f ft :453 h									

Cassaleria

Dk. b. or br. c. 3, by Pretense—Special Charm, by Verbatim															
Br.—Bradyleigh FarmsInc&Brady (Ky)															
Tr.—McAnally Ronald															
Lifetime 12 3 2 6 \$355,670															
17Apr82-8GG	1½	471	1:103	1:483ft	9-5e	122	56½	47½	33½	3½	McHRDG3 Calif Derby	89	Rockwall, Water Bank, Cassaleria	7	
4Apr82-4SA	1½	453	1:094	1:473ft	8	120	912	85	54½	65½	ShoemkrW7 Sa Derby	86	Muttring,PrncSpillbound,JournyALS	9	
21Mar82-8SA	1½	472	1:113	1:421ft	3-2e	123	3½	4½	2½	3½	McHRDG3 San FelipeH	89	AdvanceMan,GatoDelSol,Cassaleria	7	
5Feb82-88M	1½	461	1:102	1:424ft	*2-3	120	71½	78½	45	1½	McHRDG3 El CamReal	85	Cassaleria, CrystalStar,TropicRuler	9	
23Dec81-8Hol	1½	471	1:113	1:431ft	*2-3e	120	63½	41½	32	33	McHRDG3 Auld,qSyne	76	Muttring, King's Finder,Cassaleria	9	
29Nov81-8Hol	1½	481	1:141	1:474sl	4½	121	79½	57	2½	2½	McHrguDGH Hol Fut'y	55	Stalwart, Cassaleria, Header Card	12	
14Nov81-88M	1½	451	1:101	1:413gd	*8-5	115	610	31½	11	13½	McHRDG2 ElCamoRReal	91	Cassaleria, Songhay, Lucky Ship	9	
18Oct81-2SA	1½	464	1:114	1:424ft	*7-5	118	43½	31	13	110	Castaneda M3	Mdn	87	Cassaleria,ChargeBetween,BisonBy	7
7Oct81-4SA	1	463	1:113	1:37 ft	3½	118	47	33	31½	30k	Ortega L E2	Mdn	84	Stalwart,CompanyChairman,Cssleri	9
23Aug81-6Dmr	1	463	1:113	1:374ft	4½	117	52½	42	33½	35½	Ortega L E3	Mdn	73	OkieCityL,d,StndupComedin,Cssleri	9
1Aug81-6Dmr	6f	224	454	1:104ft	4	118	79	47	35½	37	Ortega L E5	Mdn	77	ExplosiveTwist,SpeedBroker,Cssli	8
26Jun81-6Hol	5½f	223	464	1:054ft	21	116	97	79½	46	22	Castaneda M6	M50000	80	Spiritino, Cassaleria, Convince Me	12
Apr 27 CD 6f gd 1:152 b										Apr 13 SA 5f ft 1:001 h					

Gato Del Sol

Own.—Hancock III & Peters										126										Tr.—Gregson Edwin										1981 8 2 1 3										\$220,828									
Lifetime 12 2 3 4 \$307,193										Lifetime 12 2 3 4 \$307,193										Lifetime 12 2 3 4 \$307,193										Lifetime 12 2 3 4 \$307,193																			
22Apr82-7Kee	1½	463	1:10	1:48 ft	3½	121	46	46	34½	25½	DihossyE3 Blue Grass	91	Linkage,GtoDelSol,WveringMonrch	9																																			
4Apr82-4SA	1½	453	1:094	1:473ft	7½	120	812	98	67	43½	DelhossyE4 Sa Derby	88	Muttring,PrncSpillbound,JournyA1S	9																																			
21Mar82-8SA	1½	472	1:113	1:421ft	4½	118	76½	75½	43	20k	DihssyE6 San Felipe H	90	AdvanceMan,GatoDelSol,Cassaleria	7																																			
25Feb82-7SA	6½f	221	45	1:152ft	9-5	115	67½	66½	65½	33½	DelhossyE5 Aw22000	90	LuckylLegend,RcnglsFun,GtoDlSol	6																																			
29Nov81-8Hol	1½	481	1:141	1:474sl	5½	121	89½	77½	71½	714	DelhossyE6 Hol Fut'y	42	Stalwart, Cassaleria, Header Card	12																																			
14Nov81-8Hol	7f	211	432	1:22 ft	3½	122	511	59½	33½	2½	DihossyE5 Hol Prevue	86	Sepulveda,GatoDelSol,DesertEnvoy	6																																			
31Oct81-8Hol	1½	461	1:103	1:421ft	3½	118	91½	86½	55½	32½	DelhossyE3 Norfolk	87	Stalwart, Racing Is Fun,GatoDelSol	9																																			
9Sep81-8Dmr	1	453	1:111	1:375ft	3½	114	1012	106½	73½	1hd	DelhossyE2 Dmr Fut	81	GatoDelSol,TheCaptain,RingProud	10																																			
26Aug81-8Dmr	1	454	1:103	1:364ft	5½	115	79	46	54½	33½	DelahoussyE7 Blaboa	80	TheCaptain,DistantHeart,GtoDelSol	9																																			
14Aug81-6Dmr	1	47	1:124	1:39 ft	*8-5	117	30k	1½	13	17	McCarron C J5	Mdn	73	Gato Del Sol, Kell's Boy, ClubFlush	8																																		
10Jly81-6Hol	6f	222	452	1:111ft	*2½	116	66	67½	67	77	Valenzuela P A2	Mdn	74	Muttring,LuckyLegend,Mggi'sBst	12																																		
28Jun81-6Hol	5½f	221	461	1:051ft	5½	116	79½	69	55½	33½	Delahoussaye E5	Mdn	81	Irisher, Zanyo, Gato Del Sol	12																																		
Apr 29 CD 4f ft :483 b										Apr 18 Kee 4f sy :504 b										Apr 12 Kee 6f ft 1:133 b										Apr 3 SA 3f ft :342 h																			

Majesty's Prince

Own.—Marsh J D										Tr.—Cantey Joseph B										1981 8 2 2 0										\$71,840									
Lifetime 11 3 4 2 \$109,361										Turf 4 2 2 0										\$47,264																			
10Apr82-90P	1½	474	1:123	1:513ft	5e	117	1016	109½	81½	56½	KenelJL2 Arknsas Dby	79	Hostage, El Baba, Bold Style	10																									
20Mar82-90P	170	46	1:122	1:434ft	4½	115	718	59	46	200	Kaenel J L6	Rebel H	77	BoldStyle,Mjesty'sPrince,LostCrek	8																								
9Mar82-70P	6f	222	471	1:13 ft	6	114	77½	65	3½	1½	Kaenel J L11	Aw15000	80	Mjesty'sPrince,Hvgrtdt,HrfordMn	12																								
14Nov81-8Aqu	1½	481	1:131	1:504ft	5½	115	65	1113	1117	917	MacBeth D1	Remsen	64	LsrLight,RelTwister,Wolfie'sRscI	11																								
24Oct81-8Lrl	1½	47	1:122	1:443gd	9-5	122	67½	63½	47	49	Maple E1	Lrl Fut'y	76	DeputyMinistr,LsrLight,tCgyCougr	8																								
24Oct81—Placed third through disqualification																Mar 10 P 5f gd 1:034 h																							
10Apr81-38El	1½	④	4741	1:111	43	1m	9-5	115	31	30k	2nd 2nd	Maple E5	Prince John	81	Gnom'sGld,Mjesty'sPnc,DncngSchl	7																							
14Sep81-38El	1	④	4531	1:021	35	fm	2-5	115	2½	2nd 21½	24½	Maple E4	Cascade H	84	DncngSchool,Mjesty'sPnc,BbyDuck	8																							
4Sep81-38El	1	④	48	1:121	39	gd	2-5	119	12½	13½	13½	Maple E3	Aw20000	71	Mjesty'sPnc,DncngSchool,OrEscp	6																							
20Aug81-25ar	6f	23	462	1:104ft	4e	122	31½	51½	3½	20k	Maple E4	Aw19000	86	TalcPlot,Mjesty'sPrince,IrishMrtini	8																								
6Aug81-45ar	1	④	4831	1:491	39	gd	21	118	11	11½	13½	Maple E4	Mdn	81	Mjesty'sPnc,CissHro,Who'sFrDnmr	10																							
20Jly81-68El	6f	224	461	1:123½	14	118	1023	1021	616	36	Maple E6	Mdn	73	JittingPisur,BronzCup,Mjesty'sPnc	10																								
Mar 10 P 6f gd 1:52 b																																							

Throughout the eighty minutes between the seventh race and the Derby, the best bet was Air Forbes Won to show, as indicated by the final tote board figures:

	Totals	#1 Air Forbes Won	Expected Value per Dollar Bet on Air Forbes Won
Odds		5—2	
Win	2,853,976	641,476	
Show	1,006,969	129,486	1.25

With my betting fortune now up to \$621.50, the optimal bet was \$99.

Gato Del Sol, ridden by Eddie Delahoussaye, ran an impressive race to win the Churchill classic by $2\frac{1}{2}$ lengths over Laser Light and Reinvested. Gato Del Sol, a 21—1 shot, was the last horse away from the gate and stayed near the rear until the backstretch. Then he picked up ground outside the final turn and ran strongly until the finish. Delahoussaye had planned this late charge on the outside ever since he had come in second on Woodchopper in the 1981 Kentucky Derby. Woodchopper had been trapped inside, which had probably cost him the race, and Delahoussaye was determined not to repeat that strategy. El Baba and Air Forbes Won ran second and third for most of the race, but both weakened in the final stretch and finished eleventh and seventh, respectively. The \$99 loss dropped my betting fortune to \$522.50.

The chart of the race was as follows:

108th Kentucky Derby, May 1, 1982

\$550,100 gross value and \$40,000 Gold Cup. Net to winner \$428,850; second \$60,000; third \$30,000; fourth \$15,000. 388 nominations.

Horse	Eqt	Wt	PP	¼	½	¾	Mile	Str	Fin	Jockeys	Owners	Odds to \$1
Gato Del Sol	126	18		19	19	10½	5½	1½	12½	E. Delahoussaye	Hancock & Peters	21.20
Laser Light	126	8		18hd	17hd	18½	10¹	9hd	2nk	E. Maple	Live Oak Plantation	18.20
Reinvested	126	10		16½	16½	14¹	7¹	2½	32½	D. MacBeth	Harbor View Farm	f-8.90
Water Bank	126	13		14½	12½	16½	82	5hd	4¾	M. Castaneda	Elmendorf	a-12.60
Muttering	126	11		4hd	5½	4½	4hd	4hd	5³	L. Pincay	Tartan Stable	4.20
Rockwallb	126	14		12¹	9¹	5½	6¹	7½	6¾	H. Valdivieso	Nelson B. Hunt	47.80
Air Forbes Won . . .	126	7		3hd	3³	32	3³	3hd	7¼	A. Cordero	Edward Anchel	2.70
Star Gallant	126	16		6¹	7½	9hd	9¹	10¹	8no	W. Shoemaker	Buckram Oak Farm	15.70
Majesty's Prince . .	126	19		13hd	13½	17¹	142	11½	9hd	R. Hernandez	John D. Marsh	f-8.90
Cupecoy's Joy	121	1		1½	1½	14	1½	8hd	10½	A. Santiago	Ri-Ma-Ro Stable	f-8.90
El Baba	126	4		2½	2³	22	2hd	6hd	11¹	D. Brumfield	Mrs. Joe W. Brown	3.30
Wavering Monarch .	126	6		112	10hd	11hd	11½	122	12¼	R. Romero	Greathouse family	39.50
Cassaleria	126	17		15hd	15hd	15hd	13½	13½	13nk	D. McHargue	20/20 Stable	a-12.60
Royal Roberto	126	5		17¹	18½	19	17½	14½	14½	M. Rivera	Key West Stable	9.30
Music Leaderb	126	9		8½	8½	8hd	12½	15hd	15½	P. Day	Glaser-Ellett, et al	f-8.90
Bold Styleb	126	2		72	4hd	7hd	15½	16½	16nk	J. Fell	Len Mayer	29.30
Wolfie's Rascal . . .	126	15		5½	6hd	6½	162	17³	17½	J. Velasquez	Cohen-Cohen-Kumble	f-8.90
New Discovery	126	3		10½	11hd	13hd	18½	184	186	J. Bailey	Herbert Allen	f-8.90
Real Dare	126	12		9¹	14¹	12½	19	19	19	R. Guidry	J. E. Jumonville, Sr.	f-8.90

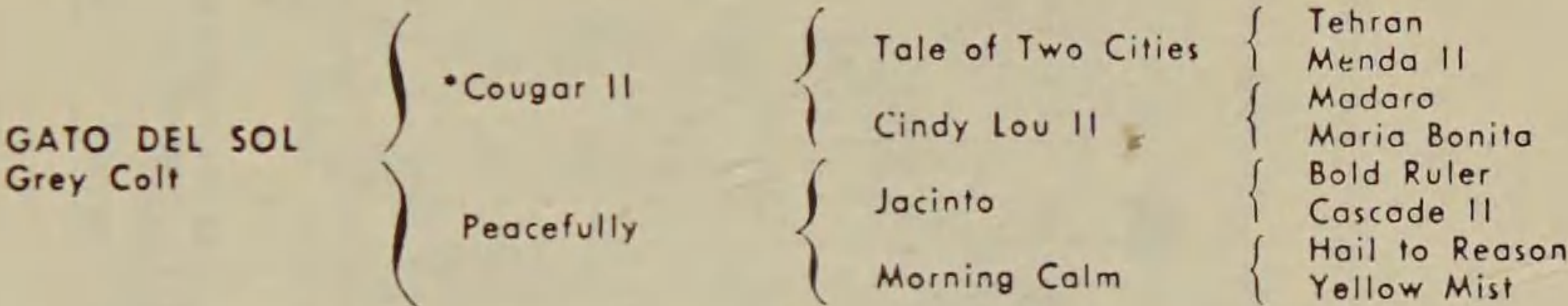
Time: :23, :46-1/5, 1:10-4/5, 1:37-1/5, 2:02-2/5. Track fast. Off at 5:40 EDT. Start good. Won driving. f-mutuel field. A-coupled Water Bank and Cassaleria.

\$2 mutuels paid — Gato Del Sol \$44.40 straight; \$19.00 place; \$9.40 show, Laser Light \$17.00 place; \$9.20 show; Reinvested (field) \$4.40 show.

Winner — Gr. c, by *Cougar II — Peacefully, by Jacinto. Trainer Edwin Gregson. Bred in Kentucky by Hancock III & Peters.

GATO DEL SOL came away relaxed in last position and clear of horses, advanced on the outside under his own courage in the backstretch, picked up the field with a strong run completing the turn to take command before the furlong pole, was unaffected by REINVESTED leaning on him briefly and drew clear under strong right hand use of the whip into the final yards. LASER LIGHT also relaxed in the early running, followed GATO DEL SOL around horses leaving the backstretch and was wide straightening away for the final stretch drive, loomed boldly but could not sustain his bid while gamely besting REINVESTED for the place. REINVESTED, intimidated by WATER BANK leaving the half-mile marker and bothering CASSALERIA, swung slightly out on that rival getting room on the outside to follow GATO DEL SOL approaching mid-stretch, leaned in briefly under right hand urging and hung. WATER BANK saved ground early, found room between rivals with a stretch bid and hung. MUTTERING, well placed from the beginning, made a bid between horses entering the stretch and weakened slightly. ROCKWALL finished well without being a threat. AIR FORBES WON responded with a strong run to reach the leaders completing the final turn and weakened late. STAR GALLANT was never a serious factor. MAJESTY'S PRINCE bore out slightly while tiring. CUPECOY'S JOY set the pace in comfortable fashion into the stretch turn before giving way. EL BABA, well situated closest to the pace, drew on even terms for the lead entering the stretch and weakened suddenly. CASSALERIA was being outrun when bothered by REINVESTED in the backstretch and never became a factor. ROYAL ROBERTO was outrun at all stages. BOLD STYLE saved ground racing forwardly placed for six furlongs and tired. WOLFIE'S RASCAL lost ground and dropped back early. NEW DISCOVERY gave a dull effort. REAL DARE tired badly. Scratched: Rock Steady

THE WINNER'S PEDIGREE AND CAREER HIGHLIGHTS



Year	Age	Sts	1st	2nd	3rd	Won
1981	2	8	2	1	3	\$220,828
1982	3	9	2	3	1	\$588,779
TOTALS		17	4	4	4	\$809,607

At 2 Years	{	WON	Del Mar Futurity
		2nd	Hollywood Revue
		3rd	Balboa Stakes
At 3 Years	{	WON	Kentucky Derby
		2nd	San Felipe, Blue Grass Stakes
		3rd	
		UNP	Santa Anita Derby

Dual Tracks in the Ninth

The final Dr. Z system bet of the day was on Dual Tracks in the ninth race.
With two minutes to post time the tote board was

	Totals	#3 Dual Tracks	Expected Value per Dollar Bet on Dual Tracks
Odds		3—1	
Win	397,004	75,441	
Show	110,222	11,621	1.28

1 1/16 MILES

START A FINISH

CLAIMING
PURSE \$10,000
FOUR-YEAR-OLDS AND UPWARD, 123 lbs. Non-winners of three races at a mile or over since February 5 allowed 2 lbs.; two such races since March 17, 4 lbs.; one such race since April 1, 6 lbs. Claiming Price \$25,000; for each \$1,000 to \$20,000, 1 lb. (Races where entered for \$18,000 or less not considered.)

Track Record—YES SIR (5) 110 lbs.; 1:41 3/5; Nov. 25, 1970

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	MASON RUDD Blue, White Circled "MR," White Bars on Sleeves Blue Cap ENDEMONIADO (Arg) Dk.b. or br.h.(1977), Dairey—Francachela	WALTER BINDNER, JR. Blue Cap	15 GENE SOLOMON \$25,000.
2	DARREL E. HOUT Purple, Gold "DH," Gold Dots Purple Cap BEFORE THE BENCH B.g.(1975), Advocate—Landing Derby	DAVID M. WALSH Purple Cap	20 LEROY TAUZIN \$25,000.
3	ALBERT M. STALL AND EARL BURKE White, Blue Diamond Frames, White Cap DUAL TRACKS B.g.(1975), Central Paris—Rose Duel	WILLIAM I. MOTT White Cap	5-2 RONALD ARDOIN \$25,000
4	HAWKSWORTH FARM (Harry, Teresa and Tom Meyerhoff) Blue, Black Cross Sashes, Blue Bars on Blk Slvs., Blue Cap AVATOIL Ch.c.(1978), Avatar—Toll No More	JUDITH ZOUCK Blue Cap	4 LARRY MELANCON \$25,000.
5	W. C. PARTEE Orange, White Dots Orange Cap ARGONAFIS B.h.(1977), My Swallow—Artistically	LYNN WHITING Orange Cap	7-2 PAT DAY \$25,000.
6	JOHN FRANKS Green, Orange "JF" on White Ball, Orange and White Halved Sleeves, Green Cap LUDICROUS B.g.(1975), Droll Role—Wild Note	ROBERT HOLTHUS Orange and White	6 RANDY ROMERO \$20,000
7	WESLEY GUY Brown, White Blocks Brown Cap SCARLET GUY Ro.h.(1976), Peace Corps—Scarlet Request	OWNER Brown Cap	20 TERRY WARNER \$23,000
8	BLACKTHORN STABLE (P. F. Lenihan and M. J. Schnurr) Black, Gold Belt, Gold Bars on Sleeves, Black Cap GENUINE MAGIC Dk.b. or br.h.(1975), Nalees Man—Smart Smart	GREG FOLEY Black Cap	5 MARK SELLERS \$25,000
9	BERNARD FLINT, INC. (Bernard S. Flint) Gold, Blue & Gold Stars on White Sleeves, White Cap MOLTO BENE B.g.(1977), Northern Challenge—Unchopped	BERNARD S. FLINT White Cap	10 TRAVIS HIGHTOWER \$25,000.

Scratched—CHARLIE'S FINALE, DOUBLE THREES, BELLE'S RULER, BELL SWINGER, BAL BAY

Selections 3—5—4—8

With my betting fortune now \$522.50, the optimal bet was \$67. Dual Tracks made his move in the stretch, but could only grab third behind Avatoil and Genuine Magic. But with a show bet, a third is as good as a win! He paid \$3.80 to show, for a return of \$127.30 and a profit of \$60.30. The chart of the race is on page 221.

A Great Day for Canada: Sunny's Halo Wins the Kentucky Derby



The Kentucky Mood

We had been in Chicago for the semiannual joint meetings of the Operations Research Society of America and the Institute of Management Sciences. I had organized several sessions dealing with the latest theory and practice of trading stock options and with the mathematics of gambling. We had also read some research papers and I had a number of meetings involved with my activities as finance editor of the journal *Management Science*.

One of my UBC students, Brian Canfield, who was keen to learn more about stock market activities and horse-race betting, came along as well. When Don went back to Northwestern, Brian and I drove to Kentucky. Don flew down later for Derby Day. It takes about six hours to reach the Kentucky border, and the mood suddenly changes from industrial towns and rolling farm country to beautifully kept bluegrass horse farms with their white board fences. It had been two years since my last visit, and we had a whole week before the Derby to explore the farms in the Lexington area and do research for this book at the Keeneland and Churchill Downs racetracks and at the Keeneland racing library. The first few days brought an unbelievable amount of heavy spring rain. Finally, at midweek, the weather cleared and remained pleasant throughout our stay. It took the track at Churchill Downs only about a day to dry out, and the sun was so strong that the track had to be watered only two days after the torrential drenching it took.

This area of Kentucky has the greatest assembly of horse farms in the world and much of the finest bloodstock. As I mentioned in Chapter Ten, most of the farms allow visitors with appointments, and I highly recommend

that you visit them. The highlight for us was a visit to Claiborne farms in Paris, Kentucky. This 3,200-acre farm supports twenty-eight major stallions and about five hundred mares, yearlings, and other horses. It was a rare treat to see such great horses as Secretariat, Spectacular Bid, Nijinski II, Riva Ridge, Conquistador Cielo, Coastal, Drone, Damascus, and Mr. Prospector close up. The investment side of racing involves a fantastic set of investment gambles. Horses' values can vary by millions of dollars as the result of a single event—for instance, a convincing victory in an important race or a minor injury. The price of the best bloodstock has reached astronomical levels. The twenty-eight stallions at Claiborne include some of the world's best. Their total value is several hundred million dollars.

The most important auction of yearlings takes place at Keeneland. At the July, 1983, sale, 301 yearlings sold for an average price of \$501,495, or over \$150 million in total. These are amazing sums for horses that have never run a race. The competitive bidding among racing's elite millionaires, each hoping to obtain the best bloodstock, drives the prices to these unheard-of sums. Prices are dependent on the horse's pedigree, the fame and performance of his sire and dam and their heritage, and on the physical appearance of the young animal.

Northern Dancer, the 1964 Derby winner in what was then the record time of two minutes flat, has been the star of the show of late. His offspring have proved to be outstanding runners and even better sires. His stud fee of as much as \$700,000 with no guarantee of a live foal may sound outrageously expensive. However, it has certainly paid off, and if the chemistry is right, the returns can be smashing. At this sale, one filly yearling of his sold for \$2.5 million and a yearling colt for \$10.2 million. These prices were paid by Sheikh Mohammed ibn Rashid al Maktoum of the oil-rich United Arab Emirate state of Dubai, who outbid Robert Sangster, the British sports pool magnate. Their personal grudge match, spurred on because Sangster had won the auction in the previous two years, is money in the bank for consigners of Northern Dancer's offspring. It is hard to imagine that at such prices these yearlings are wise investments. The purchases are a bit like giving the good looking five-year-old son of a top baseball star married to a former Olympic-medal-winning daughter of a famous distance runner a contract for \$2 million per year when he turns eighteen. In total, thirteen Northern Dancer yearlings were sold at the 1983 Keeneland and Saratoga sales for a total of \$26,110,000, or \$2,008,462 each. All told, his offspring have sold at auction for over \$87 million. Not bad for a twenty-two-year-old horse who as a colt drew no interest when offered for sale for \$25,000. He still services about thirty-five mares each year.

The breeding of top thoroughbreds has become a giant pyramid, with prices dependent on how much the offspring might be sold for after a brief racing career, rather than on a horse's real earnings potential. Despite the

current recession and lower track attendance and despite modest prices for medium- and lower-quality thoroughbreds, the best are flying high for now at least.*

Derby Day brought good weather, although there was a threat of showers late in the day that might have affected the Derby. We situated ourselves near the paddock area behind the grandstands, where we could watch the tote board and make bets near post time. There was no trouble making bets within one minute of post time. And we knew that with the size of the pools, the conditions were good for application of the Dr. Z system.



Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.

Trackman, Graham Ross

CHURCHILL DOWNS

Selections Made for Fast Track

	TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
1	ERUDITE ROAD STREET URCHIN HIS KNOCKERS	HUSTLIN BARB ERUDITE ROAD BEAUTIFUL BAY	BEAUTIFUL BAY HUSTLIN BARB LUMINARIA G.	HUSTLIN BARB LUMINARIA G. BEAU VOU	HUSTLIN BARB BEAU VOU BEAUTIFUL BAY	HUSTLIN BARB ERUDITE ROAD BEAUTIFUL BAY	19 7 7
2	FOXFIRE COVE ATENSHEIS IRON SKILLET	MY DAY DREAM IRON SKILLET APPLE JENNIE	RAJ UT TULLE'S FOOLY IRON SKILLET	BAIL ME OUT TULLE'S FOOLY RAJ UT	TULLE'S FOOLY IRON SKILLET RARE PICTURE	TULLE'S FOOLY RAJ UT IRON SKILLET	9 6 6
3	BIRDBRAIN SAME SEA TRADERS JET	GREAT BALANCE BIRDBRAIN LOOKS LIKE DAD	LOOKS LIKE DAD GREAT BALANCE DOLFINAIR	DOLFINAIR GREAT BALANCE LOOKS LIKE DAD	GREAT BALANCE LOOKS LIKE DAD DOLFINAIR	GREAT BALANCE BIRDBRAIN LOOKS LIKE DAD	16 9 9
4	FLAG ADMIRAL SLASH AND CUT CLUB SHOOTER	FLAG ADMIRAL GRINDSTONE TURN CLEVER ENCOUNTER	FLAG ADMIRAL SOUTHERN BOY CLEVER ENCOUNTER	SOUTHERN BOY FLAG ADMIRAL GRINDSTONE TURN	FLAG ADMIRAL SOUTHERN BOY GRINDSTONE TURN	FLAG ADMIRAL SOUTHERN BOY GRINDSTONE TURN	22 9 4
5	HEAD GAMES FOLLOW DUSTY JACK SLADE	FIGHTIN HILL HEAD GAMES STRAIGHT SHOT	HEAD GAMES CHIDESTER GREAT POSSIBILITY	CHIDESTER JACK SLADE HEAD GAMES	HEAD GAMES CHIDESTER JACK SLADE	HEAD GAMES CHIDESTER FIGHTIN HILL	18 9 5
6	CAN'THOLDMEBACK LIBERTY LANE OIL CITY	BACKSTABBER LIBERTY LANE OIL CITY	LIBERTY LANE BAYOU BLACK CELTIC SABER	BAYOU BLACK LIBERTY LANE CELTIC SABER	LIBERTY LANE BAYOU BLACK CELTIC SABER	LIBERTY LANE BAYOU BLACK BACKSTABBER	18 9 5
7	LE COU COU HIGH HONORS SAVERTON	HIGH HONORS LE COU COU THALASSOCRAT	HIGH HONORS CUCKOLD LE COU COU	CUCKOLD HIGH HONORS COMMON SENSE	CUCKOLD HIGH HONORS COMMON SENSE	HIGH HONORS CUCKOLD LE COU COU	16 12 8
8	SUNNY'S HALO SLEW O' GOLD HIGHLAND PARK	SUNNY'S HALO MARFA PLAY FELLOW	SUNNY'S HALO MARFA PAX IN BELLO	MARFA SUNNY'S HALO CAVEAT	SUNNY'S HALO MARFA CAVEAT	SUNNY'S HALO MARFA SLEW O' GOLD	24 11 2
9	MAJOR RUN BROADWAY REVIEW DUST OFF THE MAT	BROADWAY REVIEW BAL BAY DAVRICK	SORROTO SWAY BAL BAY	SWAY MAJOR RUN SORROTO	SWAY SORROTO MAJOR RUN	SWAY SORROTO MAJOR RUN	12 8 8
10	OLD HUNDRED MATTI BABES TOM LIGHTFOOT	MATTI BABES CAPTAIN PHIL TO THE PENNY	TO THE PENNY CAPTAIN PHIL HARD UP	CAPTAIN PHIL TO THE PENNY TOM LIGHTFOOT	CAPTAIN PHIL TO THE PENNY TOM LIGHTFOOT	CAPTAIN PHIL TO THE PENNY MATTI BABES	14 10 7

A Mexican Filly Is the First Dr. Z System Bet

The first Dr. Z system bet occurred in the first race, a 6½-furlong race for four-year-old and older fillies and mares. The morning-line favorites were Hustlin Barb, Luminaria G., and Beautiful Bay. None of the horses had outstanding records, but each had shown flashes of brilliance. Hustlin Barb was

*Readers who would like to learn more about the breeding industry and keep up with the latest events in racing might consult the BLOOD-HORSE. It is a beautifully produced weekly magazine that is also a very useful source of information (Box 4038, Lexington, Kentucky 40544, \$2 per issue).

dropping sharply in class to the \$7,500 claiming level, which installed her as the favorite despite a poor 1983 season with only one in-the-money finish in five starts. Beautiful Bay did not show much except for a win and a second in February against weaker competition. Luminaria G. was a Mexican horse who was claimed in her first race in the United States. She was moving back to the \$7,500 claiming level, where she had won convincingly, after a disappointing fourth-place finish as the favorite in her last start. The crowd made Luminaria G. the favorite.

FIRST HALF DAILY DOUBLE			
	WIN	PLACE	SHOW
<div>6 1/2 FURLONGS</div>			
CLAIMING PURSE \$5,500 FILLIES AND MARES FOUR YEARS OLD AND UPWARD, 121 lbs. Non-winners of two races since March 15 allowed 3 lbs.; two races since February 11, 6 lbs.; a race since April 8, 9 lbs. Claiming Price, \$7,500. (Races where entered for \$6,000 or less not considered.)			
Track Record—DOG00N (5) 121 lbs.; 1:16; Nov. 5, 1957			
MAKE SELECTION BY NUMBER			
	Owner	Trainer	Jockey/Morn. Line
1	LOYD FORD Yellow, Black "F," Black Bars on Sleeves Black Cap BEAUTIFUL BAY *107 B.m.(1977), Barbizon Streak—Rip N Roll	RICK HILES	5 KEITH ALLEN
2	Sundance Stable (Dianne Carpenter) Orange, Gold Rising Sun, Gold Yoke, Gold Band on Sleeves Gold Cap ERUDITE ROAD 112 Ch.f.(1979), Barbs Delight—Cedar Road	Dianne Carpenter	15 LEROY MOYERS
3	CARL C. DYKEMA Black and White Blocks, Red Windmill Black Cap QUASARITA 112 B.f.(1979), Tara Road—Sea Leopard	W. E. ADAMS	8 MICHAEL MORAN
4	THOMAS L. LANG Blue, White "TL," White Sleeves Blue Cap BEAU VOI 112 B.m.(1977), I Want You—His Babu Lark	DONALD E. HUGHES	6 PATRICK JOHNSON
5	BILLY G. ASHABRANER Orange, White "A," White Sleeves Orange Cap LUMINARIA G. (Mex) 112 Ch.f.(1979), Going Around—Permisa	OWNER	7-2 GENE SOLOMON
6	BIG TEN STABLE (Earl C. Shackelford) Blue, Yellow "X," Yellow Bars on Sleeves, Blue Cap STREET URCHIN 112 Ch.m.(1977), Bold Street—Plucky Pixie	JAMES BEMISS	15 CHARLES WOODS, JR.
7	FARID SEFA Red, Yellow "S" Red Cap HUSTLIN BARB *107 B.f.(1979), Hustlin Greek—Delightful Barb	LARRY D. EDWARDS	2 WILLIAM TROILO
8	RAMON COTO & NORMAN E. CASSE Black, Red Cardinal, Red Bars on Sleeves Red Cap IRISH BREEZE (Fr) 112 B.m.(1977), Sea Break—In Spe	MARK CASSE	8 JIM MCKNIGHT
9	SARA NIEMANN Blue and White Halves, Blue and White Stripes on Sleeves Blue Cap HIS KNOCKERS 112 Ch.f.(1979), His B.—Nancy Knox	CHARLES W. STONE	12 MARK SELLERS
Selections 7—5—1—4			

Luminaria G. looked like a possible Dr. Z system bet to show. The tote board was as follows:

		#5 Luminaria G.	Expected Value per Dollar Bet on Luminaria G.
Totals			
With four minutes to post time			
Odds		8—5	
Win	105,272	31,967	
Show	50,087	9,852	1.17

	Totals	#5 Luminaria G.	Expected Value per Dollar Bet on Luminaria G.
With two minutes to post time			
Odds		8—5	
Win	119,144	37,003	
Show	53,218	10,699	1.17
With one minute to post time			
Odds		8—5	
Win	130,255	41,577	
Show	57,643	12,210	1.16

With our betting fortune of \$1,000 we bet \$159 to show on Luminaria G. At post time the tote board stood as follows:

	Totals	#5 Luminaria G.	Expected Value per Dollar Bet on Luminaria G.
Odds		7—5	
Win	147,291	50,374	
Show	62,113	13,728	1.17

Luminaria G. won the race, followed by Beautiful Bay and Beau Vou. Hustlin Barb finished out of the money. The chart of the race was as follows:

FIRST RACE
Churchill
MAY 7, 1983

6 1/2 FURLONGS. (1.16) CLAIMING. Purse \$5,500. Fillies and mares. 4-year-olds and upward. Weight, 121 lbs. Non-winners of two races since March 15 allowed 3 lbs.; two races since February 11, 6 lbs.; a race since April 8, 9 lbs. Claiming price, \$7,500. (Races where entered for \$6,000 or less not considered.) 7TH DAY. WEATHER CLEAR. TEMPERATURE 77 DEGREES.

Value of race \$5,500, value to winner \$3,575, second \$1,100, third \$550, fourth \$275. Mutuel pool \$279,336.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	Str	Fin	Jockey	Cl'g	Pr	Odds	\$1
30Mar83 9Lat4	Luminaria G.		4	114	5	5	11 1/2	12	13 1/2	16 1/2	Solomon G	7500		1.40	
5Apr83 40P4	Beautiful Bay		6	107	1	4	3 1/2	31	21 1/2	2nk	Allen K K5	7500		4.40	
28Apr83 1Kee3	Beau Vou	b	6	112	4	7	72	61 1/2	33	32	Johnson P A	7500		8.20	
9Dec82 8Lat4	His Knockers		4	112	8	1	21	21 1/2	4 1/2	41	Sellers M S	7500		16.20	
28Apr83 1Kee8	Street Urchin	b	6	112	6	3	5 1/2	51	52	52 1/2	Woods C R Jr	7500		27.80	
30Mar83 50P6	Hustlin Barb	b	4	107	7	2	61	4 1/2	63	65	Troilo W D5	7500		2.40	
28Apr83 1Kee4	Quasarita		4	115	3	8	8	8	72	76 1/2	Moran M T	7500		22.20	
28Apr83 1Kee7	Erudite Road	b	4	112	2	6	41	72	8	8	Moyers L	7500		14.10	

OFF AT 11:33. Start good. Won driving. Time, :23 1/5, :46 2/5, 1:11 1/5, 1:18 1/5 Track fast.

Official Program Numbers \

\$2 Mutuel Prices:

5-LUMINARIA G. _____ 4.80 3.40 2.80
1-BEAUTIFUL BAY _____ 4.60 3.20
4-BEAU VOU _____ 3.60

Ch. f, by Going Around—Permisa, by Bal Musette. Trainer Ashabraner Billy G. Bred by Mora D Cardenas (Mex).

LUMINARIA G., hustled to the lead just after the start, made all the pace but was kept to pressure when drawing off in the lane. BEAUTIFUL BAY, well placed early, could not stay with the winner but continued willingly to gain the place. BEAU VOU made a mild bid to clearly best the others. HIS KNOCKERS prompted the early pace and gave way. HUSTLIN BARB never menaced.

Owners— 1, Ashabraner B G; 2, Ford L; 3, Lang T L; 4, Niemann Sara; 5, Big Ten Stable; 6, Sefa F; 7, Dykema C C; 8, Sundance Stable.

Overweight: Luminaria G. 2 pounds; Quasarita 3.

Luminaria G. was claimed by Sutton H E; trainer, Fires William H.

Scratched—Irish Breeze (22Apr83 2Kee8).

Luminaria G.'s \$2.80 payoff gave us a profit of \$63.60 on our \$159 bet.

Chris McCarron Steals the Race

The third race was a claiming race for four-year-old horses and older horses who had not won two recent races. Nine horses were competing in the 6-furlong race. The consensus favorite was Great Balance. Dolfinar, Superstep, Traders Jet, Steel Britches, Birdbrain, and Looks Like Dad were the competition. Dolfinar and Traders Jet had strong records with numerous wins. Traders Jet was also lightweighted at 112 pounds and was ridden by the great Chris McCarron, who had flown in from California to ride Desert Wine in the Derby. As usual, Chris was in a head-to-head competition with Laffit Pincay, Jr. as the nation's top-money-winning jockey. Table 12.1 shows the earnings of the top jockeys and trainers in 1983. Going into Derby Day, Pincay and McCarron had a considerable edge both in earnings and place percentage over their California colleague Eddie Delahoussaye and two New York-based jockeys, Angel Cordero, Jr. and Jorge Velasquez. The colorful Californian Laz Barrera was comfortably in first place among the trainers. Traders Jet's recent races showed little, and he was dropping sharply in

TABLE 12.1 *The 1983 money-leading jockeys and trainers going into Derby Day*

Jockey	Money Leaders				Purses Won (\$)
	Mounts	Winners	Seconds	Place Percentage	
Pincay	474	112	81	40.7	2,847,202
C. McCarron	508	124	82	40.6	2,838,763
Delahoussaye	455	61	80	31.0	2,220,685
Cordero	426	86	65	35.4	1,977,782
Velasquez	373	73	46	31.9	1,930,844
Day	483	96	85	37.5	1,700,726
Davis	516	88	62	29.1	1,440,435
Alvarado	498	66	75	28.3	1,423,979
Valenzuela	428	53	55	25.2	1,333,447
Hawley	372	51	44	25.5	1,301,919

Trainers	Money Leaders				Purses Won (\$)
	Starts	Winners	Seconds	Place Percentage	
Barrera	109	39	17	51.3	1,431,305
Lukas	167	21	21	25.2	1,209,207
Van Berg	505	55	56	22.0	1,163,514
Whittingham	127	29	12	32.3	1,149,980
Gosden	97	20	12	33.0	887,660
Palma	191	29	31	31.4	670,370

class. Great Balance had the best lifetime earnings and an impressive \$2,000 + winnings per start. Twice he had been claimed while winning at claiming prices in the \$18,000 – \$20,000 range. After little success running against \$25,000 claimers, he was returning to run against these cheaper horses again.

START

6 FURLONGS

FINISH

WIN

PLACE

SHOW

3

CLAIMING
PURSE \$7,500
FOUR-YEAR-OLDS AND UPWARD, 122 lbs. Non-winners of two races since March 7 allowed 2 lbs.; a race since then, 4 lbs.; two races since January 7, 6 lbs. Claiming Price \$18,000; for each \$500 to \$16,000, 1 lb. (Races where entered for \$14,000 or less not considered.)

Track Record—BENEDICTO (6) 117 lbs.; 1:09½; May 13, 1961
AMBER BREAK (6) 116 lbs.; 1:09½; Nov. 25, 1970
BARBIZON STREAK (3) 122 lbs.; 1:09½; May 22, 1971

MAKE SELECTION BY NUMBER

	Owner	Trainer	Jockey/Morn. Line
1	WENDELL KETCHUM Red, Black Stripes on Yellow Sleeves Red Cap DOLFINAR B.g.(1974), Lucky Debonair—Dolphin's Girl	FORREST Kaelin 120	4 TOMMY BARROW \$18,000
2	MICHAEL REAVIS, et al Red, White "MR" Red Cap SUPERSTEP B.g.(1978), Walker's--Tatty II	MICHAEL REAVIS 116	8 JUVENIAL L. DIAZ \$18,000.
3	J. C. KIRK Blue, Gold Blocks Blue Cap TRADERS JET B.g.(1979), Trader Ed—Daisey Jet	OWNER 112	6 CHRIS McCARRON \$16,000.
4	ALDO MARROCCO Green, White and Red Thirds, Black "M," White Sleeves Red Cap GREAT BALANCE B.g.(1977), Jeff D.—Bette's Goid	WILLIAM I. MOTT 120	5-2 LEROY MOYERS \$18,000.
5	ERIC BACHELOR Green, Black "B," Black Stars, Black Bars on Sleeves Green and Black Cap STEEL BRITCHES B.g.(1979), High Steel—Pokey Britches	WILLIAM G. MITCHELL 116	6 MARK SELLERS \$18,000.
6	MJAKA STABLE (Jane Meyer and Elizabeth Lavin) Black, White Diamond Belt, Red Sleeves, Red Cap BIRDBRAIN B.g.(1979), Accripter—Matriculation	C. R. McGAUGHEY III * 111	8 KEITH ALLEN \$18,000.
7	RONALD & SUE STINSON AND JAMES ADAIR Red, White Yoke, White Bars on Black Sleeves, Red Cap PORTUGUESE PICNIC Dk.b. or br.h.(1977), The Pruner—Successfully Yours	EDWIN H. DAVIS, JR. 116	15 CHARLES WOODS, JR. \$18,000.
8	JAMES C. CRAIG Purple, Orange "JCC," Orange Bars on Purple Sleeves Purple Cap LOOKS LIKE DAD Ch.g.(1979), Dare to Command—Coras Pride	JAMES R. TULLY 116	7-2 DON BRUMFIELD \$18,000
9	FRANCIS LINK Green, White Circled "L," White Dots Green Cap SAME SEA Gr.g.(1979), North Sea—La Meme Chose	JERRY BURKHART 116	20 DARRELL FOSTER \$18,000.

Selections 4—8—1—3

The tote board pointed to Great Balance as a possible Dr. Z system bet to show.

	Totals	#4 Great Balance	Expected Value per Dollar Bet on Great Balance
With one minute to post time			
Odds		5—2	
Win	292,291	63,973	
Show	135,425	19,178	1.18

Our betting fortune of \$1,063.60 suggested a bet of \$78. At post time the tote board stood as follows:

	Totals	#4 Great Balance	Expected Value per Dollar Bet on Great Balance
Odds		5—2	
Win	314,811	68,376	
Show	141,625	22,799	1.11

Chris McCarron stole the race and led Traders Jet for a victory and an \$18.80 win payoff. Great Balance held on for second, and Superstep took third. With Dolfinar and Looks Like Dad out of the money and Traders Jet and Superstep relative long shots, the show payoff on Great Balance was a smashing \$4. Our \$78 bet was doubled. The chart of the race was as follows:

THIRD RACE

Churchill

MAY 7, 1983

6 FURLONGS. (1.09½) CLAIMING. Purse \$7,500. 4-year-olds and upward. Weight, 122 lbs. Non-winners of two races since March 7 allowed 2 lbs.; a race since then, 4 lbs.; two races since January 7, 6 lbs. Claiming price, \$18,000; for each \$500 to \$16,000 allowed 1 lb.(Races where entered for \$14,000 or less not considered.)

Value of race \$7,500, value to winner \$4,875, second \$1,500, third \$750, fourth \$375. Mutuel pool \$621,311.

Last Raced	Horse	Eqt.A.Wt	PP	St	¼	½	Str	Fin	Jockey	Cl'g Pr	Odds \$1
11Mar83 10FG9	Traders Jet	4 112	3	1	1hd	2hd	1½	1no	McCarron C Jt	16000	8.40
15Apr83 40P5	Great Balance	b 6 120	4	4	4hd	3hd	2½	24	Moyers L	18000	2.80
16Apr83 10FP4	Superstep	b 5 116	2	3	3½	5hd	32	32½	Diaz J L	18000	10.20
16Mar83 80P7	Portuguese Picnic	6 116	7	5	8½	6½	5hd	4½	Woods C R Jr	18000	41.50
8Apr83 80P5	Looks Like Dad	b 4 116	8	7	5½	4hd	4½	5nk	Brumfield D	18000	2.60
4Mar83 100P11	Birdbrain	4 111	6	6	73	82	6½	64	Allen K K5	18000	7.80
9Apr83 50P1	Dolfinair	9 116	1	9	9	9	72	73	Barrow T	18000	4.80
20Apr83 5Kee9	Steel Britches	4 116	5	2	2hd	1½	82	8nk	Sellers M S	18000	6.70
17Dec82 7FG11	Same Sea	b 4 116	9	8	6½	7½	9	9	Foster D E	18000	32.80

OFF AT 1:01. Start good. Won driving. Time, :22, :45, :57½, 1:10½ Track fast.

\$2 Mutuel Prices:

3-TRADERS JET

4-GREAT BALANCE

2-SUPERSTEP

18.80

7.60

5.40

4.80

4.00

6.20

B. g, by Trader Ed—Daisy Jet, by Bronze Jet. Trainer Kirk James C. Bred by Mills P D (Pa).

TRADERS JET broke in stride to make or force the pace throughout and narrowly outgamed GREAT BALANCE in the final furlong. The latter was always well placed, challenged the winner throughout the lane, could not catch that one but was easily second best. SUPERSTEP vied for the lead most of the way but had no late rally. PORTUGESE PICNIC had no speed. LOOKS LIKE DAD was shuffled back shortly after the start, recovered to launch a bid entering the lane but could not sustain it. STEEL BRITCHES dueled for the early lead and stopped.

Owners— 1, Kirk J C; 2, Marrocco A; 3, Reavis M L et al; 4, Stinson R W et al; 5, Craig J C; 6, Mjaka Stable; 7, Ketchum W; 8, Bachelor E; 9, Link F.

† Apprentice allowance waived: Traders Jet 7 pounds. Corrected weight: Great Balance 120 pounds.

Great Balance was claimed by Hyman Carol; trainer, Kirk James C.

Two Dr. Z System Bets in the Bold Forbes

The fourth race was a 1-mile allowance race for three-year-olds. The favorites were Southern Boy and Flag Admiral, and they were to be ridden by California's two top jockeys, Chris McCarron and Laffit Pincay, Jr. Like McCarron, Pincay had flown in for the Derby and was to ride Caveat. Southern Boy had just run in the Arkansas Derby and was completely outclassed by the likes of Sunny's Halo and Caveat. He had had some good races early in the year, but his recent record was mediocre. Flag Admiral was coming off a convincing win in the mud at Keeneland. His previous three starts were disasters. Despite their undistinguished records, Southern Boy and Flag Admiral did seem to outclass the rest of the field. They had proved themselves much faster, at least whenever they ran a strong race. Fellow Californian jockeys Terry Lipham and Eddie Delahoussaye were riding Bill Hicks and Clever Encounter, respectively, to warm up for their mounts on Paris Prince and Sunny's Halo, respectively, in the Derby. Both Bill Hicks and Clever Encounter had had good recent races, but they appeared to be outclassed by the favorites.

<div><div>1 MILE</div><div>START →</div><div>← FINISH</div></div>		WIN	PLACE	SHOW
ALLOWANCE		4		
PURSE \$10,000				
THE BOLD FORBES				
(Plus \$2,500 from the Kentucky Thoroughbred Development Fund)				
THREE-YEAR-OLDS WHICH HAVE NOT WON A RACE OTHER THAN MAIDEN OR CLAIMING, 120 lbs. Non-winners of \$9,750 allowed 3 lbs.; \$7,150, 5 lbs.; \$4,550, 8 lbs. (Races where entered for \$15,000 or less not considered in allowances.)				
Track Record—EVASIVE ACTION (2) 116 lbs.; 1:33 ⁴ / ₅ ; Nov. 15, 1959				
MAKE SELECTION BY NUMBER				
Owner		Trainer		Jockey/Morn. Line
1	M. B. COLLINS Black, Orange Blocks Black Cap CLUB SHOOTER B.c.(1980), Faneuil Boy—Inda Hole	FORREST Kaelin	112	15 LEROY MOYERS (Post Pos. 2)
la	DEBORAH MEYER Blue, Green Circled "M," Blue Cap RANJAC Dk.b. or br.c.(1980), Jacinton—Frangula	FORREST Kaelin	112	15 TOMMY BARROW (Post Pos. 10)
2	J. C. ROGERS & J. LACOCO Red, White Bars on Sleeves Red Cap BILL HICKS Ch.c.(1980), Inverness—Gilia	LEIF LINKFIELD	112	15 TERRY LIPHAM (Post Pos. 1)
3	GEORGE A. ZIMMERMAN White, Blue Sash, White Chevrons White Cap MY Z. BOMB B.g.(1980), Ack Ack—Somersault	JAMES E. MORGAN	112	8 WILLIAM GAVIDIA (Post Pos. 3)
4	CHARLES HUNTER Blue, White "CH," White Stripes on Sleeves Blue Cap SLASH AND CUT Ch.c.(1980), Bold Street—Manjara	OWNER	112	8 CHARLES WOODS, JR. (Post Pos. 4)
5	NELSON McMAKIN Yellow, Black Blocks, Black "M" on Sleeves Yellow Cap SLY RUSSELL C. Dk.b. or br.g.(1980), On The Sly—Isabel H.	JOSEPH G. KING	112	15 GENE SOLOMON (Post Pos. 5)
6	KEN GARBER & THAD D. ACKEL Green, Green "AAA" on White Triangle, White Chevrons on Sleeves, Green Cap SOUTHERN BOY Ro.c.(1980), Far North—Line Item Two	THAD D. ACKEL	115	5-2 CHRIS McCARRON (Post Pos. 6)

7	TOM GENTRY Yellow, Royal Blue Blocks, Royal Blue Bars on Sleeves Yellow Cap FLAG ADMIRAL 117 B.c.(1980), Hoist the Flag—Lord's Lady	EDUARDO INDA	7-2 LAFFIT PINCAY, JR. (Post Pos. 7)
8	MR. & MRS. JOSEPH C. WOLFMAN Red, Silver Sleeves Red Cap GRINDSTONE TURN 112 Gr.c.(1980), Turn To Reason—Rose Rondeau	ANGEL MONTANO	6 LARRY MELANCON (Post Pos. 8)
9	FRANK JONES, JR. Orange, Brown "FJ," Brown Dots Orange Cap GASTGEBER 112 B.g.(1980), Within Hail—Votre Hotesse	JERRY ROMANS	15 BRENT BARTRAM (Post Pos. 9)
10	IZZIE PROLER Blue, Green Triangle, Blue Band on Green Sleeves Blue Cap CLEVER ENCOUNTER 112 B.c.(1980), Clever Tell—Boston Pocket	BILLY S. BORDERS	5 EDDIE DELAHOUSAYE (Post Pos. 11)
1 and 1a—M. B. COLLINS—DEBORAH MEYER Entry			
Selections 6—7—10—8			

Both Southern Boy and Flag Admiral were favorites of the betting public and relatively overlooked to show. The tote board read as follows:

		Expected Value per		Expected Value per	
		#6	Dollar Bet on	#7	Dollar Bet on
Totals	Southern Boy	Southern Boy	Flag Admiral	Flag Admiral	
With four minutes to post time					
Odds	6—5		2—1		
Win	312,797	116,195	87,134		
Show	150,399	36,980	26,753	1.18	
With one minute to post time					
Odds	6—5		9—5		
Win	358,410	134,508	100,908		
Show	167,613	42,721	30,011	1.19	

We bet \$300 on Southern Boy to show and \$200 on Flag Admiral to show. At post time the tote board was as follows:

		Expected Value per		Expected Value per	
		#6	Dollar Bet on	#7	Dollar Bet on
Totals	Southern Boy	Southern Boy	Flag Admiral	Flag Admiral	
Odds	1—1		9—5		
Win	403,104	155,710	113,712		
Show	180,904	48,779	32,047	1.19	

Flag Admiral won the race, followed by Clever Encounter, and Southern Boy took third. With the two top choices finishing in the money, the show payoffs were slightly depressed, but not as much as usual, since they both were Dr. Z system bets. Flag Admiral paid \$2.80 and Southern Boy \$2.40. Our bets of \$300 and \$200 on Southern Boy and Flag Admiral, respectively, paid \$360 and \$280 for a profit of \$140. The chart of the race was as follows:

FOURTH RACE
Churchill

MAY 7, 1983

1 MILE. (1.33 $\frac{1}{3}$) ALLOWANCE. Purse \$10,000 (plus \$2,500 from KTDF). 3-year-olds, which have not won a race other than maiden or claiming. Weight, 120 lbs. Non-winners of \$9,750 allowed 3 lbs.; \$7,150, 5 lbs.; \$4,550. (Races where entered for \$15,000 or less not considered in allowances.)

Total purse \$12,500. Value of race \$12,375, value to winner \$8,125, second \$2,500, third \$1,250, fourth \$500. (\$125 reverts to the KTDF). Mutuel pool \$790,782.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	¾	Str	Fin	Jockey	Odds \$1
23Apr83 4Kee1	Flag Admiral	3	117	7	5	61½	21½	11½	13	17½	Velasquez J	1.90
16Apr83 8Kee3	Clever Encounter	3	115	11	1	101½	11	83	35	22	Delahoussaye E	5.00
16Apr83 9OP9	Southern Boy	3	115	6	7	3hd	51½	21½	22	37	McCarron C J	1.10
22Apr83 6Kee3	Grindstone Turn	b	3	112	8	3	51	61½	4½	4½	Melancon L	23.50
30Apr83 4Det2	Gastgeber	b	3	112	9	4	7½	7hd	61	5½	Bartram B	49.90
28Apr83 8Kee4	My Z. Bomb	b	3	114	3	9	21½	3hd	31½	71½	Gavidia W	27.10
2May83 2CD8	Club Shooter	3	112	2	10	8hd	9½	102	94	7½	Moyers L	a-30.10
30Apr83 3RD1	Bill Hicks	3	112	1	6	11½	11	51½	61½	82	McKnight J	50.60
15Apr83 2Kee8	Sly Russell C.	b	3	114	5	11	91½	81½	7hd	8hd	Solomon G	45.40
30Apr83 6CD4	Slash And Cut	b	3	112	4	8	4hd	4½	9hd	102	Woods C R Jr	15.80
24Mar83 6OP9	Ranjac	b	3	115	10	2	11	103	11	11	Barrow T	a-30.10

a-Coupled: Club Shooter and Ranjac.

OFF AT 1:51. Start good. Won ridden out. Time, :22 $\frac{4}{5}$, :46, 1:10 $\frac{3}{5}$, 1:35 $\frac{3}{5}$ Track fast.

\$2 Mutuel Prices:	7-FLAG ADMIRAL	5.80	3.60	2.80
	10-CLEVER ENCOUNTER		4.40	2.80
	6-SOUTHERN BOY			2.40

B. c, by Hoist The Flag—Lord's Lady, by Sir Gaylord. Trainer Inda Eduardo. Bred by Gentry T (Ky).

FLAG ADMIRAL, just behind the early leaders, came up to challenge leaving the backstretch, took clear command approaching the lane and increased the margin steadily while ridden out to the wire. CLEVER ENCOUNTER, void of early foot, commenced a rally approaching the lane, continued willingly when set down for the drive and was up to gain the place. SOUTHERN BOY, well placed early, had no rally. GRINDSTONE TURN lacked the needed response. MY Z. BOMB prompted the early pace and gave way. BILL HICKS made the early pace and stopped. SLASH AND CUT had speed for a half.

Owners— 1, Gentry T; 2, Proler I; 3, Ackel & Garber; 4, Wolfman Mr-Mrs J C; 5, Jones F Jr; 6, Zimmerman G A; 7, Collins M B; 8, Lacoco & Rogers; 9, McMakin N; 10, Hunter C; 11, Meyer Deborah.

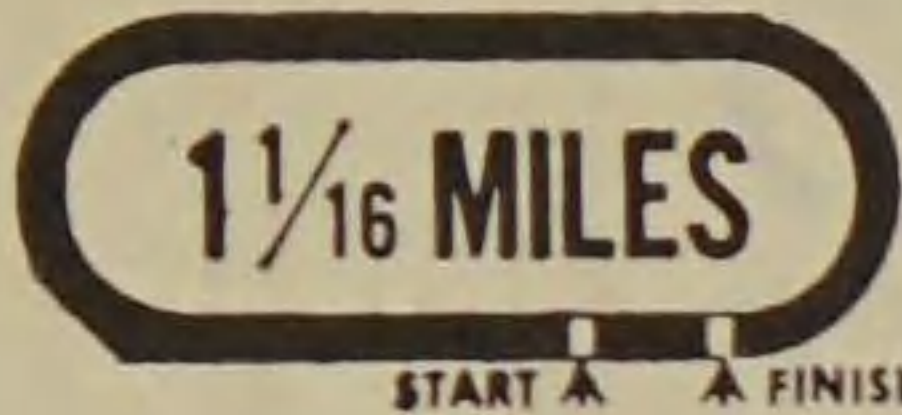
Overweight: Clever Encounter 3 pounds; My Z. Bomb 2; Sly Russell C. 2; Ranjac 3.

Just Call Me George

The fifth race was the Pleasant Colony, an allowance race for three-year-olds. Head Games, Chidester, and Fightin Hill were the top choices. Jorge Velasquez, the great Panamanian jockey (who likes to be called "George" rather than "Horgay"), Eddie Maple, Jean Cruguet, and Don Brumfield were using the race as a warmup before their Derby mounts on Marfa, Chumming, Play Fellow, and Highland Park, respectively. The top three choices along with Great Possibility, Straight Shot, and Jack Slade all looked like possible winners. The odds on Head Games were the best. He had also finished first or second in five of his six career starts (see page 233).

With one minute to post time, the tote board was as follows:

	Totals	#1 Head Games	Expected Value per Dollar Bet on Head Games
Odds		2—1	
Win	415,685	103,216	
Show	182,613	32,715	1.12



ALLOWANCE
PURSE \$12,000

WIN	PLACE	SHOW
5		

THE PLEASANT COLONY
(Plus \$3,000 from the Kentucky Thoroughbred Development Fund)
THREE-YEAR-OLDS WHICH HAVE NOT WON TWO RACES OTHER THAN MAIDEN OR CLAIMING, 121 lbs. Non-winners of \$9,750 twice allowed 3 lbs.; \$7,800 twice, 6 lbs.; \$5,850 twice, 9 lbs. (Races where entered for \$20,000 or less not considered in allowances.)

Track Record—YES SIR (5) 110 lbs.; 1:41³/₅; Nov. 25, 1970



MAKE SELECTION BY NUMBER

Owner	Trainer	Jockey/Morn. Line
PATRICIA BLASS Pink, Green Dots Pink and Green Cap HEAD GAMES B.c.(1980), Clev er Tell—Princess Connie	WILLIAM H. FIRES 118	3 JORGE VELASQUEZ
DAN LASATER Red, White Yoke, White "L," Red Bars on White Sleeves Red Cap FIGHTIN HILL Dk.b. or br.c.(1980), Nodouble—Hat Brim	LARRY D. EDWARDS 112	6 EDDIE MAPLE
ROBERT N. LEHMANN Blue, White Horseshoe, White Sash, Red Sleeves Blue Cap FOLLOW DUSTY Ch.c.(1980), Bob's Dusty—Rigbie Charm	W. E. ADAMS 112	10 MICHAEL MORAN
THOMAS L. LANG Blue, White "TL," White Sleeves Blue Cap TWIST THE GOODS B.g.(1980), Twist The Axe—Got The Goods	DONALD E. HUGHES 112	20 WILLIAM GAVIDIA
STRAPRO STABLE (Joseph Strauss, Sr. and Izzie Proler) Orange, White Star, Orange Stars on White Slvs., Orange Cap GREAT POSSIBILITY B.c.(1980), Soy Numero Uno—Kateri	BILLY S. BORDERS 112	4 JULIO ESPINOZA
RICHARD GARTIN Purple, Pink Triangular Panel Purple Cap STRAIGHT SHOT Dk.b. or br.c.(1980), Norcliffe—Princess Jamie	JOHN D. EVANS III 112	8 JEAN CRUGUET
JAMES C. CRAIG Purple, Orange "JCC," Orange Bars on Sleeves Purple Cap CHIDESTER Ch.c.(1980), Graustark—Nalees Folly	JAMES G. ARNETT 112	5 GARTH PATTERSON
ANDREW ADAMS Gold, Black Cross Sashes, Black Stripes on Sleeves Gold Cap JACK SLADE B.c.(1980), Big Spruce—Holding	DAVID C. KASSEN 112	5 DON BRUMFIELD
MARY M. ZIMMERMAN Orange, Blue Lightning "Z" Orange Cap FANCY FRIEND Dk.b. or br.c.(1980), Steve's Friend—Fancy Gloves	GLENN WISMER 112	10 LEROY MOYERS

Selections 1—5—7—8

With our betting fortune of \$1,281.60 a bet of \$33 to show on Head Games was suggested. At post time the tote board was

	Totals	#1 Head Games	Expected Value per Dollar Bet on Head Games
Odds		2—1	
Win	447,119	112,623	
Show	195,902	39,257	1.07

Unfortunately, Head Games finished out of the money, so we lost our \$33 bet, leaving our betting fortune as \$1,248.60. The chart of the race was as follows:

FIFTH RACE

Churchill

MAY 7, 1983

1 1/8 MILES. (1.413/8) ALLOWANCE. Purse \$12,000 (plus \$3,000 from KTDF). 3-year-olds, which have not won two races other than maiden or claiming. Weight, 121 lbs. Non-winners of \$9,750 twice allowed 3 lbs.; \$7,800 twice, 6 lbs.; \$5,850 twice, 9 lbs. (Races where entered for \$20,000 or less not considered in allowances.)

Total purse \$15,000. Value of race \$12,450, value to winner \$7,800, second \$2,400, third \$1,500, fourth \$750. (\$2,550 reverts to the KTDF.) Mutuel pool \$878,344.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
6Apr83 9Hia ²	Straight Shot			3 112	6	2	1 1/2	1 1/2	1 1/2	11	1nk	Cruguet J	6.60
30Apr83 6CD ¹	Fightin Hill	b		3 114	2	7	7 1/2	6 2/3	3 1/2	2 1/2	22	Maple E	5.50
16Apr83 8OP ³	Chidester			3 112	7	3	2 1/2	2 3/4	23	33	32 1/2	Patterson G	3.20
27Apr83 8Kee ²	Follow Dusty	b		3 115	3	5	5 2/3	4hd	42	43	41	Moran M T	18.10
16Apr83 2OP ¹	Head Games	b		3 118	1	4	32	32	5 1/2	5 2/3	54	Velasquez J	2.30
27Apr83 8Kee ⁵	Fancy Friend			3 112	9	6	61	8 1/2	73	6hd	6nk	Moyers L	30.50
28Apr83 8Kee ¹	Jack Slade			3 114	8	8	8 1/2	9	84	88	7 1/2	Brumfield D	5.00
27Apr83 8Kee ⁶	Twist The Goods			3 114	4	9	9	72	6 1/2	7 1/2	8 1/2	Gavidia W	59.60
22Apr83 6Kee ¹	Great Possibility			3 112	5	1	4hd	5 1/2	9	9	9	Espinoza J C	8.70

OFF AT 2:41. Start good. Won driving. Time, :244/5, :481/5, 1:121/5, 1:372/5, 1:441/5 Track fast.

\$2 Mutuel Prices:

6-STRAIGHT SHOT

2-FIGHTIN HILL

7-CHIDESTER

15.20

7.80

4.80

7.00

5.00

3.80

Dk. b. or br. c, by Norcliffe—Princess Jamie, by Prince John. Trainer Evans John D III. Bred by Davis W R (Fla).

STRAIGHT SHOT, taken under a rating hold after quickly taking the lead, saved ground into the final turn, gradually came out to meet the challenge of FIGHTIN HILL and held that one safe. FIGHTIN HILL, in close and taken in hand leaving the gate, advanced between horses after a half-mile, loomed boldly on the outside in the stretch drive and was not quite good enough. CHIDESTER raced lapped outside the winner into the early stretch, was carried out just slightly and weakened. FOLLOW DUSTY saved ground to no avail. HEAD GAMES raced wide throughout. JACK SLADE was not a serious factor. GREAT POSSIBILITY raced wide.

Owners— 1, Gartin R; 2, Lasater D; 3, Craig J C; 4, Lehmann R N; 5, Blass Patricia; 6, Zimmerman Mary M; 7, Adams A; 8, Lang T L; 9, Strapro Stable.

Overweight: Fightin Hill 2 pounds; Follow Dusty 3; Jack Slade 2; Twist The Goods 2.

The Dreadnought

The sixth race was the Dreadnought, a 7-furlong allowance race with a purse of \$14,000. The top choices were Bayou Black, Liberty Lane, the entry of Backstabber and Can'tholdmeback, and Oil City. Bayou Black looked very sharp, with five consecutive in-the-money finishes, all but one with speed ratings in the 90s. He also had the services of jockey Eddie Delahoussaye. Liberty Lane was also a very consistent horse with nearly as good a record. The bet was on Bayou Black.

START

7 FURLONGS

FINISH

WIN

PLACE

SHOW

ALLOWANCE

PURSE \$14,000

6

THE DREADNOUGHT

(Plus \$3,500 from the Kentucky Thoroughbred Development Fund)

FOUR-YEAR-OLDS AND UPWARD, WHICH HAVE NOT WON \$4,875 TWICE SINCE JUNE 26 OTHER THAN MAIDEN, CLAIMING OR STARTER, 121 lbs. Non-winners of \$10,400 since April 8 allowed 3 lbs.; \$9,750 since January 7, 6 lbs.; \$8,450 since October 8, 9 lbs. (Maiden, claiming and starter races not considered in allowances.)

Track Record—OLDEN TIMES (6) 124 lbs.; 1:21²/₅; April 30, 1964

MAKE SELECTION BY NUMBER

Owner

Trainer

Jockey/Morn. Line

1

la

2

3

4

5

6

7

JAMES H. RUTTER

White, Black "R" on Gold Crown, Black Bars on Sleeves

White Cap

BACKSTABBER

115

Dk.b. or br.g.(1976), Cutlass—Shower Of Flowers

WILLIAM I. MOTT

White, Black "R" on Gold Crown, Black Bars on Sleeves

White Cap

CAN'THOLDMEBACK

115

Dk.b. or br.h.(1976), Pallasgreen—Sunday Vellie

PRESTON MADDEN AND

ROGERS RED TOP, INC. (Walter Mullady)

White, Red Top, Red Sleeves, White Cap

NOTED

112

B.g.(1979), Buffalo Lark—Wild Note

ALBERT M. STALL

AND EARL BURKE

White, Blue Diamond Frames, White Cap

BAYOU BLACK

112

Dk.b. or br.h.(1976), Droll Role—Dymond Island

W. C. PARTEE

Orange, White Dots

Orange Cap

OIL CITY

118

Dk.b. or br.g.(1977), Pia Star—Sapose Speed

J. C. WATSON & RICKY HIGGS

Green, White "W," White Sleeves

Green Cap

DEUCES ARE LOOSE

115

B.c.(1979), Zen—Cruise Director

DRAVO FOLEY

Red, Red "F" on White Diamond, White Diamonds on Sleeves

Red Cap

LIBERTY LANE

112

Dk.b. or br.h.(1978), Great Sun—Barbs Compact

TOM GENTRY

Yellow, Royal Blue Blocks, Royal Blue Bars on Sleeves

Yellow Cap

CELTIC SABER

112

Ch.c.(1979), Blade—Celtic Lyn

4

4

8

9-5

4

20

5-2

12

LEROY MOYERS

(Post Pos. 2)

LEROY MOYERS

(Post Pos. 5)

MARK SELLERS

(Post Pos. 1)

EDDIE DELAHOUSSE

(Post Pos. 3)

JORGE VELASQUEZ

(Post Pos. 4)

CHARLES WOODS, JR.

(Post Pos. 6)

DON BRUMFIELD

(Post Pos. 7)

LAFFIT PINCAY, JR.

(Post Pos. 8)

1 and 1a—JAMES H. RUTTER Entry

Scratched—THIRD AND LEX

Selections 3—6—1a—4

The tote board was as follows:

		#3	Expected Value per
		Bayou Black	Dollar Bet on
Totals			Bayou Black
With three minutes to post time			
Odds		8—5	
Win	407,823	131,439	
Show	165,867	30,306	1.25
With one minute to post time			
Odds		8—5	
Win	469,967	149,753	
Show	188,358	37,275	1.20

With our betting fortune of \$1,248.60, a bet of \$317 to show on Bayou Black was suggested.

	Totals	#3 Bayou Black	Expected Value per Dollar Bet on Bayou Black
At post time			
Odds		8—5	
Win	482,830	154,423	
Show	191,848	38,018	1.20

Bayou Black won the race, followed by Noted and Liberty Lane. The show payoff on Bayou Black was \$3, so we made a profit of \$158.50 on our \$317 bet. The chart of the race was as follows:

SIXTH RACE
Churchill
MAY 7, 1983

7 FURLONGS. (1.21½) ALLOWANCE. Purse \$14,000 (plus \$3,500 from KTDF). 4-year-olds and upward, which have not won \$4,875 twice since June 26 other than maiden, claiming or starter. Weight, 121 lbs. Non-winners of \$10,400 since April 8 allowed 3 lbs.; \$9,750 since January 7, 6 lbs.; \$8,450 since October 8, 9 lbs. (Maiden, claiming and starter races not considered in allowance.)

Total purse \$17,500. Value of race \$16,625, value to winner \$11,375, second \$2,800, third \$1,750, fourth \$700. (\$875 reverts to the KTDF). Mutuel pool \$909,035.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1	
30Mar83 9FG2	Bayou Black	7	115	2	1	23½	11	12½	12½	Delahoussaye E	1.60	
26Apr83 7Kee2	Noted	4	112	1	5	62½	67	32	24	Sellers M S	13.20	
28Apr83 6Kee3	Liberty Lane	5	114	6	6	4½	31	21	31	Brumfield D	2.30	
16Apr83 6OP6	Oil City	6	118	3	3	51	52	41½	42½	Velasquez J	7.30	
16Apr83 6Kee2	Can'tholdmeback	b	7	115	4	4	3hd	43½	52	55	Moyers L	4.90
16Apr83 8FP1	Deuces Are Loose	4	115	5	2	1hd	22½	66	62	Woods C R Jr	20.40	
20Apr83 5Kee2	Celtic Saber	b	4	117	7	7	7	7	7	Pincay L Jr	8.10	

OFF AT 3:30. Start good. Won handily. Time, :23¾, :45¾, 1:09¾, 1:23 Track fast.

\$2 Mutuel Prices:

3-BAYOU BLACK

2-NOTED

6-LIBERTY LANE

5.20

9.20

2.80

4.00

5.20

3.00

Dk. b. or br. h, by Droll Role—Dymond Island, by Drone. Trainer Brothers Frank L. Bred by Stall A M (Ky).

BAYOU BLACK was rated confidently from the beginning, saved ground disposing of DEUCES ARE LOOSE on the turn and finished out handily. NOTED came outside horses for the stretch drive, was no match for the winner but clearly bested the rest. LIBERTY LANE responded when called upon to loom briefly menacing outside the winner in the early stretch and weakened. OIL CITY gave an even eoofrt. CAN'THOLDMEBACK tired. DEUCES ARE LOOSE was used up after a half mile.

Owners— 1, Stall & Burke; 2, Rogers Red Top Farm & Madden; 3, Foley D; 4, Partee W C; 5, Rutter J H; 6, Watson & Higgs; 7, Gentry T E.






Corrected weight: Bayou Black 112 pounds. Overweight: Bayou Black 3 pounds; Liberty Lane 2; Celtic Saber 5.



Scratched—Backstabber (19Apr83 5Kee4); Third and Lex (28Apr83 6Kee8).

The Twin Spires: Almost Derby Horses

The Twin Spires was a \$50,000 added stakes race for three-year-olds over a 1⅛-mile distance. The top choices were High Honors, Le Cou Cou, Common Sense, and Daring Diabolo. These horses and the rest of the field had run against the likes of Derby horses Caveat, Total Departure, Pax In Bello, Sunny's Halo, Slew O' Gold, Parfaitement, Current Hope, Chumming, Marfa, Desert Wine, Highland Park, and Freezing Rain. These were the horses not quite good enough to be in the Derby. By convention, the top twenty nominated horses rated in terms of earnings are allowed in the race. As horses are scratched, more places become available, but at twenty-fourth and twenty-ninth on the earnings list, Le Cou Cou and High Honors did not make the final twenty. The top thirty earners of 1983 appear in Table 12.2 on page 240.

High Honors had had six strong races out of seven, including a third-place finish in the Wood Memorial behind Slew O' Gold and Parfaitement. Le Cou Cou had a history of finishing close whenever he had started at astronomical odds. He was a scant three lengths off the pace at 102—1 in the Derby Trial, beaten only by Caveat, Total Departure, and Pax In Bello. The crowd made High Honors, who was ridden by Jorge Velasquez, an odds-on favorite. He was also a Dr. Z system bet for show.

			WIN	PLACE	SHOW
<div><div>1 7/8 MILES</div><div>STARTFINISH</div></div>			<div>7</div>		
STAKE					
Purse \$50,000-Added					
			THE TWIN SPIRES		
			THREE-YEAR-OLDS, 121 lbs. \$250 to pass the entry box with \$50,000 added of which 65% to the owner of winner; 20% to second; 10% to third and 5% to fourth. Trophy to the winning owner.		
			Track Record—AEROFLINT (3) 116 lbs.; 1:48 2/5; Nov. 18, 1961 LAS OLAS (4) 111 lbs.; 1:48 2/5; Nov. 21, 1959		
			MAKE SELECTION BY NUMBER		
		Owner	Trainer	Jockey/Morn. Line	
1		GOLDEN CHANCE FARM (Verna Lehmann) Gold, Red "GCF," Red Chevron on Sleeves, Gold Cap	W. E. ADAMS	12	
		ASKED TO RUN  121 B.c.(1980), Naskra—Running Beauty by Double Jay Bred in Kentucky by Golden Chance Farm, Inc.		PHILLIP RUBBICCO (Post Pos. 6)	
la		GOLDEN CHANCE FARM (Verna Lehmann) Gold, Red "GCF," Red Chevron on Sleeves, Gold Cap	W. E. ADAMS	12	
		DERBY DOUBLE  121 Ch.c.(1980), Master Derby—Double Intent by Double Jay Bred in Kentucky by Golden Chance Farm, Inc.		MICHAEL MORAN (Post Pos. 10)	
2		DUANE B. CLARK Green, White "DC," Green Bars on White Sleeves Green Cap	JAMES G. ARNETT	3	
		LE COU COU 121 Gr.c.(1980), Zen—Bold Summer by Ballydonnell Bred in Illinois by Duane B. Clark		DONALD HOWARD (Post Pos. 1)	
3		DANIEL M. GALBREATH Brown and White Diamonds, White Sleeves Brown Cap	THOMAS L. RONDINELLO	8-5	
		HIGH HONORS  121 B.c.(1980), Graustark—Cum Laude Laurie by Bred in Kentucky by Daniel M. Galbreath Hail to Reason		JORGE VELASQUEZ (Post Pos. 2)	
4		BROWNELL COMBS II Blue, Orange Bars on Sleeves Orange Cap	RAY LAWRENCE, JR.	10	
		CUCKOLD  121 B.c.(1980), Circle Home—Night of Nights by Johns Joy Bred in Kentucky by Michael L. Cerone		EDDIE DELAHOUSAYE (Post Pos. 3)	
5		HOWARD P. WILSON Maroon, White Yoke Maroon Cap	ROGER LAURIN	12	
		THALASSOCRAT  121 Dk.b. or br.c.(1980), Mr. Leader—Gracious Betty by Bred in Kentucky by Howard P. Wilson Degage		DONALD MacBETH (Post Pos. 4)	
6		LINDA & FLETCHER CLEMENT Black and Red Halves, White Sash, Red and Black Dots on White Sleeves, Red Cap	RICHARD B. MATTINGLY	30	
		WEED EATER 121 B.g.(1980), Hearts of Lettuce—Cats Kitten by Tronado Bred in Arkansas by Fletcher B. Clement		LEROY MOYERS (Post Pos. 5)	
7		J. & L. STABLE (Joseph Taibbi and Laurence Palumbo) Black, Or. "JL," Or. Braces, Or. Diam. on Slvs., Or. Cap	DENNIS J. MANNING	4	
		COMMON SENSE 121 Dk.b. or br.c.(1980), Fire Dancer—Prompt Jackie by Bred in Florida by Ceedoubless Farm Smiling Jack		JACK PENNEY (Post Pos. 7)	

8	MARY M. ZIMMERMAN Orange, Blue Lightning "Z" Orange Cap	GLENN WISMER	12
	SAVERTON	121	CHARLES WOODS, JR. (Post Pos. 8)
9	DIABOLO STABLE (Gary Weir and John McDaniel)	JERRY CALVIN	8
	Blue, Red Stars on White Sash, Wh. Band on Slvs., Blue Cap DARING DIABOLO  121	DON BRUMFIELD (Post Pos. 9)	
B.c.(1980), Diabolo—Delicate Fame by Sensitivo Bred in Kentucky by J. Smreker and C. Young			
 Indicates Foaled In Kentucky 1 and 1a—GOLDEN CHANCE FARM Entry Selections 3—2—7—9			

The tote board was as follows:

	Totals	#3 High Honors	Expected Value per Dollar Bet on High Honors
With two minutes to post time			
Odds		4—5	
Win	463,915	217,972	
Show	222,910	70,409	1.15
With one minute to post time			
Odds		3—5	
Win	495,324	237,351	
Show	231,893	74,281	1.15

We bet \$688 to show on High Honors. At post time the tote board was

	Totals	#3 High Honors	Expected Value per Dollar Bet on High Honors
Odds		3—5	
Win	520,042	250,319	
Show	240,612	78,267	1.14

High Honors crossed the finish line first. Then Donald Howard, the jockey of the second horse, Le Cou Cou, lodged a claim of foul against Jorge Velasquez, who rode High Honors. A flashing INQUIRY sign is not good for one's blood pressure, but since, at worst, High Honors would be knocked down to second, we calmly waited for the decision of the stewards. The claim was allowed, and High Honors was taken down. So the official order of finish was Le Cou Cou first, High Honors second, and Common Sense third. Our show bet on High Honors paid \$2.40, so we made a profit of

\$137.60 on our \$688 bet. Of course, High Honors' show payoff would be the same whether he finished first or second. The payoff would have changed only if one or more horses had been disqualified out of the money. The chart of the race was as follows:

SEVENTH RACE

Churchill

MAY 7, 1983

1 1/2 MILES. (1.4825) 1st Running TWIN SPIRES STAKES. SPECIAL WEIGHT. \$50,000
Added. 3-year-olds. Weight, 121 lbs. \$250 to pass the entry box with \$50,000—added of which
65% goes to the winner, 20% to second, 10% to third, and 5% to fourth.

Value of race \$52,500, value to winner \$34,125, second \$10,500, third \$5,250, fourth \$2,625. Mutuel pool \$1,035,392.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
23Apr83 8Aqu ³	D High Honors	b	3	121	2	5	3 ^{hd}	3 1/2	2 ^{hd}	1 ^{hd}	1 ^{nk}	Velasquez J	.70
30Apr83 9CD ⁴	Le Cou Cou	b	3	121	1	1	1 ^{hd}	11	11	2 1/2	2 1/2	Howard D L	4.70
23Apr83 7Aqu ⁴	Common Sense	b	3	121	7	3	6 1/2	4 1/2	4 1/2	3 ³	3 ³	Penney J C	8.20
28Apr83 7Kee ¹¹	Thalassocrat		3	121	4	6	7 1/2	7 1/2	7 1/2	4 ⁵	4 ⁹	MacBeth D	15.90
27Apr83 8Kee ¹	Cuckold	b	3	121	3	8	8 1/2	8 1/2	8 ²	7 ^{hd}	5 ⁵	Delahoussaye E	16.50
30Apr83 9CD ¹²	Saverton		3	121	8	4	4 ¹	5 1/2	5 ^{hd}	5 ^{hd}	6 ^{hd}	Woods C R Jr	9.80
30Apr83 9CD ¹¹	Derby Double	b	3	121	10	7	5 ^{hd}	6 ^{hd}	6 ^{hd}	6 ^{hd}	7 ^{hd}	Moran M T	a-18.30
16Apr83 9OP ¹¹	Daring Diabolo		3	121	9	9	10	10	9 ^{hd}	9 ²	8 ²	Brumfield D	16.50
30Apr83 9CD ¹⁴	Asked To Run	b	3	121	6	2	2 1/2	2 ¹	3 ^{hd}	8 1/2	9 ²	Rubbicco P	a-18.30
30Apr83 6CD ⁸	Weed Eater	b	3	121	5	10	9 ¹	9 ^{hd}	10	10	10	Moyers L	53.10

D—High Honors Disqualified and placed second.

a—Coupled: Derby Double and Asked To Run.

OFF AT 4:21. Start good. Won driving. Time, :23 3/4, :47 3/4, 1:11 3/4, 1:36 3/4, 1:49 3/4 Track fast.

\$2 Mutuel Prices:

2—LE COU COU	11.40	3.60	3.00
3—HIGH HONORS		2.80	2.40
7—COMMON SENSE			3.20

Le Cou Cou—Gr. c, by Zen—Bold Summer, by Baliydonnell. Trainer Arnett James G. Bred by Clark Duane B (III).

HIGH HONORS, always well placed, drifted in with right handed pressure in midstretch brushed with LE COU COU before taking command at the furlong marker and proved best. Following a stewards' inquiry and an objection by the rider of LE COU COU for interference in the stretch run, HIGH HONORS was disqualified and placed second. LE COU COU broke in stride to make the early pace, began to drift out after the three-sixteenths pole, brushed with the winner just before the eighth pole and could not match that one late. COMMON SENSE, never far back, lacked the needed response against the top two. THALASSACRAT improved position in upper stretch. SAVERTON had brief speed. ASKED TO RUN prompted the early pace and gave way.

Owners— 1, Galbreath D M; 2, Clark D B; 3, J & L Stable; 4, Wilson H P; 5, Combs B II; 6, Zimmerman Mary M; 7, Golden Chance Farm Inc; 8, Diabolo Stable; 9, Golden Chance Farm Inc; 10, Clement F B & Linda.

The 109th Kentucky Derby

The eighth race of the day was the Kentucky Derby. The full field of twenty horses contained no super horses. It was a wide-open race. The writers' choices for the winner, as displayed in Table 12.2, included Marfa, Slew O'Gold, Caveat, Play Fellow, Sunny's Halo, and Explosive Wagon. In addition, Chumming, Highland Park, Desert Wine, Current Hope, Parfaitement, Pax In Bello, and Paris Prince each had a genuine chance to win. But the center of attention was Marfa. You can see why by consulting his past-performance chart. He had a tendency to lug, that is, to move laterally without reason during a race. Hence he was in constant trouble. So far this behavior had only led to one disqualification, which had occurred in his last race, the Blue Grass Stakes at Keeneland. Copeland, the leading money earner among Derby hopefuls (see Table 12.2) had been injured in that race and was out of Derby contention. It was not clear if Marfa had been involved. Marfa's running style also hampered him and possibly other horses in at least four

TABLE 12.2 *1983 Kentucky Derby prospects' earnings and the racing writers' picks*

Here's the way racing writers pick the finish

Billy Reed, Courier-Journal: 1. Marfa. 2. Sunny's Halo. 3. Current Hope. 4. Chumming. Time 2:01½.

Bob Adair, Courier-Journal: 1. Slew O' Gold. 2. Caveat. 3. My Mac. 4. Parfaitement. Time 2:02½.

Richard Sowers, Courier-Journal: 1. Caveat. 2. Marfa. 3. Highland Park. 4. Play Fellow. Time 2:03½.

Dale Austin, Baltimore Sun: 1. Play Fellow. 2. Parfaitement. 3. Caveat. 4. Marfa. Time: 2:00.

Bill Christine, Los Angeles Times: 1. Sunny's Halo. 2. Caveat. 3. Balboa Native. 4. Marfa. Time 2:02½.

Russ Harris, New York Daily News: 1. Sunny's Halo. 2. Caveat. 3. Marfa. 4. Pax In Bello. Time 2:02½.

Mike Barry, Louisville Times: 1. Play Fellow. 2. Marfa. 3. Current Hope. 4. Sunny's Halo. Time 2:02½.

Jim Bolus, Louisville Times: 1. Play Fellow. 2. Sunny's Halo. 3. Slew O' Gold. 4. Caveat. Time 2:02.

Rich Bozich, Louisville Times: 1. Sunny's Halo. 2. Play Fellow. 3. Desert Wine. 4. Marfa. Time 2:02½.

Dave Koerner, Louisville Times: 1. Slew O' Gold. 2. Play Fellow. 3. Pax In Bello. 4. Parfaitement. Time 2:01½.

Graham Ross, Daily Racing Form: 1. Sunny's Halo. 2. Slew O' Gold. 3. Play Fellow. 4. Highland Park. Time 2:01½.

Bob Roesler, New Orleans Times-Picayune/States Item: 1. Sunny's Halo. 2. Caveat. 3. Play Fellow. 4. Desert Wine. Time 2:01½.

Ed Schuyler, Associated Press: 1. Caveat. 2. Sunny's Halo. 3. Marfa. 4. Highland Park. Time 2:02½.

Steven Crist, New York Times: 1. Explosive Wagon. 2. Pax In Bello. 3. Marfa. 4. Balboa Native. Time 2:01½.

Andrew Beyer, Washington Post: 1. Marfa. 2. Play Fellow. 3. Caveat. 4. Sunny's Halo. Time 2:03.

Derby prospects' unofficial earnings

1. Copelan	\$569,090
2. Desert Wine	527,315
3. Sunny's Halo	481,019
4. Marfa	386,943
5. Highland Park	382,858
6. Total Departure ...	378,868
7. Current Hope	263,537
8. Pax in Bello	256,473
9. Caveat	238,337
10. Luv a Libra	232,818
11. Paris Prince	231,940
12. My Mac	207,197
13. Bounding Basque ..	201,322
14. Balboa Native	177,625
15. Play Fellow	166,787
16. Slew o' Gold	158,940
17. Parfaitement	157,088
18. Chumming	151,826
19. Explosive Wagon ..	151,110
20. Elegant Life	148,854
21. Coax Me Matt	137,053
22. * Noble Home	132,500
23. * Hail to Rome	119,660
24. Le Cou Cou	107,793
25. Dixieland Band	96,867
26. Freezing Rain	89,325
27. Country Pine	74,158
28. Law Talk	68,107
29. High Honors	46,940
30. Saverton	29,123

* Includes only original purse awards for Spiral Stakes.

other races. He was also a controversial starter in the Spiral Stakes because of some irregularities in his earnings record. A day before the race, it was discovered that he was about \$2,000 short to qualify. Since he was the top horse in the race, so the story goes, he was allowed to run. He ran a smashing 98 to win by eight lengths. The gray colt was a brilliant but erratic and possibly dangerous runner. He was to be ridden by Jorge Velasquez, who had just been disqualified in the previous race. Win or lose, he seemed to be the horse to determine the outcome of the race. The entry of Marfa,

TABLE 12.3 *Previous day's preliminary wagering on the 1983 Kentucky Derby*

Horse	Odds	Win (\$)	Place (\$)	Show (\$)
1. Balboa Native, Total Departure, and Marfa	5—2	68,469	18,760	13,171
2. Chumming and Caveat	5—1	36,245	14,994	9,424
3. Freezing Rain and Highland Park	17—1	13,189	4,854	4,497
4. Slew O' Gold	10—1	21,341	8,181	4,953
5. Play Fellow	12—1	17,720	7,757	4,035
6. Desert Wine	18—1	12,766	4,567	3,165
7. Country Pine	50—1	4,286	1,368	938
8. Sunny's Halo	5—2	63,329	20,783	12,106
9. Current Hope	13—1	17,562	6,528	3,282
10. Parfaitement	60—1	3,570	1,323	1,063
11. Pax In Bello	25—1	8,171	3,232	2,054
12–16. Law Talk, Paris Price, My Mac, Explosive Wagon, and Luv A Libra	8—1	<u>25,877</u>	<u>13,382</u>	<u>13,817</u>
		293,525	105,729	72,505

Balboa Native, and Total Departure was installed as the race favorite at 5—2.

The second choice, listed at 5—1 in the morning line, but the consensus choice and best bet of the day, was the Canadian horse, Sunny's Halo. In the preliminary betting (see Table 12.3) he was also going off at 5—2. Sunny's Halo had a strong record as a two-year-old at Woodbine in Toronto. He had done poorly in two summer races in New York. His trainer, David Cross, eliminated thirty-two of his stable of thirty-five horses to concentrate on Sunny's Halo, who he thought was possibly the horse of a lifetime. Sunny's Halo responded with a win in the Rebel Handicap at Oaklawn Park in Arkansas. Cross was then looking to the Derby. His wife had bet \$200 at 100—1 odds in the Las Vegas winter book that the colt would take the Derby. With 405 nominations, the odds on any nonprominent horse are quite large. Cross wanted a rider with proven Derby experience. Who could be better than the 1982 winner, Eddie Delahoussaye? Eddie had been scheduled earlier in the year to ride Roving Boy, the 1982 Eclipse award champion for a juvenile colt or gelding, and a possible super horse. Unfortunately, he

had been injured in January at Santa Anita. Delahoussaye was glad to ride for Cross. He had led Sunny's Halo to a four-length victory in the Arkansas Derby with a 96 speed rating. He looked strong; however, tradition was not on his side. No Arkansas Derby winner had ever won the Kentucky Derby, and no horse since Jet Pilot in 1947 had won the Derby with only two starts as a three-year-old.


I liked quite a few horses in the race as possible long-shot winners. Marfa and Sunny's Halo certainly were the class, but Marfa was risky and Sunny's Halo lightly raced. I would bet on them, especially Sunny's Halo, if they were Dr. Z system bets. I was still hoping to bet on a winner in the Derby. Since there were so many strong horses, I diversified my bet of \$50 over seven top contenders going off at relatively long odds. I bet \$10 to win on number 2, the entry of Chumming and Caveat; on number 3, the entry of Freezing Rain and Highland Park; on number 4, Slew O' Gold; on number 5, Play Fellow; and on number 6, Desert Wine.

The Dr. Z system bet, if there was to be one, seemed to be on Sunny's Halo. The tote board was as follows:

	Totals	#8 Sunny's Halo	Expected Value per Dollar Bet on Sunny's Halo
With fifty-four minutes to post time			
Odds		5—2	
Win	2,155,976	482,703	
Show	768,057	119,245	1.14
With thirty-four minutes to post time			
Odds		5—2	
Win	2,564,483	592,960	
Show	930,971	142,078	1.16
With twenty minutes to post time			
Odds		5—2	
Win	2,879,256	668,880	
Show	1,026,474	160,470	1.15
With eight minutes to post time			
Odds		5—2	
Win	3,041,257	711,776	
Show	1,077,595	170,164	1.15
With one minute to post time			
Odds		5—2	
Win	3,099,808	729,747	
Show	1,098,076	175,643	1.14

With our betting fortune of \$1,494.70 reflecting my \$50 win bet, we bet \$87 to show on Sunny's Halo.

	Totals	#8 Sunny's Halo	Expected Value per Dollar Bet on Sunny's Halo
At post time			
Odds		5—2	
Win	3,143,669	745,524	
Show	1,099,990	179,758	1.14




1875

109th Running

KENTUCKY DERBY

EIGHTH RACE



1983

\$250,000 ADDED

ONE MILE and ONE-QUARTER

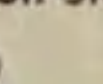

TRACK RECORD—SECRETARIAT (3), 126 lbs., 5-5-73, 1:59-2/5

For three-year-olds. By subscription of \$200 each. All nomination fees to the winner, \$5,000 to pass entry box, \$5,000 additional to start, \$250,000 added, of which \$60,000 to second, \$30,000 to third, \$15,000 to fourth, (to be divided equally in the event of

a dead heat). Weight 126 lbs. The owner of the winner to receive a gold trophy.

Closed Tuesday, February 15, 1983, with 405 nominations.

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS			
	OWNER	TRAINER	JOCKEY and Morning Line
1	ROBERT H. SPREEN Yellow, Brown "RS," Brown Bars on Sleeves, Yellow Cap BALBOA NATIVE  126 Ch c, 1980, Native Royalty—Diamond Till by Model Fool BRED IN KENTUCKY BY R. E. OWENS	D. WAYNE LUKAS	5-2 SANDY HAWLEY (P. P. 3)
1a	REBALOT STABLE (Stephen V. Lyons & Jay Templeman) Copper and Yellow Diamond Quarters, Yellow Bars on Copper Sleeves, Copper Cap TOTAL DEPARTURE 126 B c, 1980, Greek Answer—Life Style by Manifesto BRED IN FLORIDA BY JOHN H. HARTIGAN	D. WAYNE LUKAS	5-2 PAT VALENZUELA (P. P. 9)
1x	L. ROBERT FRENCH, JR., BARRY BEAL & D. WAYNE LUKAS Forest Green, White Dots, Forest Green Cap MARFA  126 Gr c, 1980, Foolish Pleasure—Gray Matter by Stratmat BRED IN KENTUCKY BY TOM GENTRY	D. WAYNE LUKAS	5-2 JORGE VELASQUEZ (P. P. 18)
2	HICKORY TREE STABLE (James P. Mills) Green, Yellow Sash, Yellow Blocks on Sleeves, Green Cap CHUMMING 126 Dk b or br c, 1980, Alleged—Gulls Cry by Sea-Bird BRED IN VIRGINIA BY NEWSTEAD FARM	WOODFORD C. STEPHENS	5 EDDIE MAPLE (P. P. 4)
2b	AUGUST BELMONT IV, et al Scarlet, Maroon Sleeves, Black Cap CAVEAT 126 Dk b or br c, 1980, Cannonade—Cold Hearted by The Axe II BRED IN MARYLAND BY RYEHILL FARM	WOODFORD C. STEPHENS	5 LAFFIT PINCAY, JR. (P. P. 20)
3	BWAMAZON FARM (Millard A. Waldheim) White, Royal Blue Hoops, Royal Blue Stripes on Sleeves, Royal Blue Cap FREEZING RAIN  126 Ch c, 1980, It's Freezing—All's Well by Well Mannered BRED IN KENTUCKY BY BWAMAZON FARM	ANTHONY BASILE	15 WILLIAM GAVIDIA (P. P. 8)
3c	BWAMAZON FARM (Millard A. Waldheim) & BRERETON C. JONES White, Royal Blue Hoops, Royal Blue Stripes on Sleeves, Royal Blue Cap HIGHLAND PARK  126 Ch c, 1980, Raise a Native—Old Goat by Olden Times BRED IN KENTUCKY BY BWAMAZON FARM	ANTHONY BASILE	15 DON BRUMFIELD (P. P. 19)
4	EQUUS EQUITY STABLE (Delmar L. Pearson, Jr. Lessee) Black, Silver Yoke, Silver Bars on Sleeves, Silver Cap SLEW O' GOLD  126 B c, 1980, Seattle Slew—Alluvial by Buckpasser BRED IN KENTUCKY BY CLAIBORNE FARM	SIDNEY WATTERS, JR.	6 ANGEL CORDERO, JR. (P. P. 1)
5	NANCY VANIER, CARL LAUER & ROBERT VICTOR Yellow, Blue Sash, Yellow Cap PLAY FELLOW  126 B c, 1980, On The Sly—Play For Keeps by Run For Nurse BRED IN KENTUCKY BY MR. & MRS. PAUL BAKEWELL III	HARVEY L. VANIER	4 JEAN CRUGUET (P. P. 2)
6	T90 RANCH (Dan J. Agnew) & CARDIFF STUD (Fred Sahadi) Red, Red "T90" on White Bell, White Cap DESERT WINE  126 B c, 1980, Damascus—Anne Campbell by Never Bend BRED IN KENTUCKY BY BRERETON C. JONES & WARNERTON FARMS	JERRY FANNING	15 CHRIS MCCARRON (P. P. 5)
7	DANIEL M. GALBREATH Brown and White Diamonds, White Sleeves, Brown Cap COUNTRY PINE  126 B c, 1980, His Majesty—Mountain Sunshine by Vaguely Noble BRED IN KENTUCKY BY DANIEL M. GALBREATH	THOMAS L. RONDINELLO	20 MICHAEL VENEZIA (P. P. 7)

USE THESE NUMBERS FOR BUYING PARI MUTUEL TICKETS			
	OWNER	TRAINER	JOCKEY and Morning Line
8	DAVID J. FOSTER RACING STABLE (David J. Foster, et al) Orange, White Stripes, Orange Cap SUNNY'S HALO 126 Ch c, 1980, Halo—Mostly Sunny by Sunny BRED IN CANADA BY DAVID J. FOSTER	DAVID C. CROSS, JR.	5 EDDIE DELAHOUSAYE (P. P. 10)
9	ROBERT BAKER & HOWARD KASKEL Orange, White Sash, White Stripes on Sleeves, Orange Cap CURRENT HOPE  126 Ro c, 1980, Little Current—Kahoolawe by Warfare BRED IN KENTUCKY BY MR. & MRS. J. C. MABEE	ROGER LAURIN	12 ALEXIS SOLIS (P. P. 12)
10	MRS. BERNARD DANEY Red, Black Cross Sashes, Black Band on White Sleeves, White Cap PARFAITEMENT 126 Ch c, 1980, Halo—Double Axle by The Axe II BRED IN PENNSYLVANIA BY BLACK GATE NURSERY TRUST	J. WILLIAM BONIFACE	20 HERBERT MCCAULEY (P. P. 13)
11	MR. & MRS. ARNOLD A. WILLCOX Crimson, Black Collar and Cuffs, Gold Sleeves, Crimson Cap PAX IN BELLO 126 B c, 1980, Hold Your Peace—Chicanery by Pretense BRED IN FLORIDA BY MR. & MRS. ARNOLD A. WILLCOX	STEVEN T. JERKENS	15 JEFFREY FELL (P. P. 14)
12	BUCKRAM OAK FARM (Mahmoud Fustok) Green, Red Sash, Red Band on Sleeves, Red Cap LAW TALK 126 B c, 1980, Wardlaw—Tellinoid by Captain's Gig BRED IN FLORIDA BY S. L. HAYMAN & ELLIOTT FUENTES	LEONARD IMPERIO	30 CARLOS MARQUEZ (P. P. 6)
13	PEGGY McREYNOLDS Green, Pink Stripes, Pink Sleeves, Green Cap EXPLOSIVE WAGON 126 Ch c, 1980, Explodent—Gypsy Wagon by Conestoga BRED IN FLORIDA BY WINDY CITY STABLE	GENE C. NORMAN	30 CHARLES MUELLER (P. P. 11)
14	ARONOW STABLE (Donald J. Aronow) Red, White "A," White Braces, White Bars on Sleeves, Red Cap MY MAC 126 Dk b or br g, 1980, Minnesota Mac—My Mom Nullah by My Dad George BRED IN FLORIDA BY ROYAL WAY FARM	NEWCOMB GREEN	30 DONALD MACBETH (P. P. 15)
15	DOLLY GREEN Red, Gold Yoke, Gold Bars on Sleeves, Red Cap PARIS PRINCE  126 Ch c, 1980, Exclusive Native—Dancers Countess by Northern Dancer BRED IN KENTUCKY BY HOLTSINGER, INC.	LAZARO S. BARRERA	30 TERRY LIPHAM (P. P. 16)
16	VIVIANNE DeCOSTA & STANLEY YAGODA Gold, Purple Triangular Panel, Gold and Purple Diagonal Quartered Sleeves, Gold and Purple Cap LUV A LIBRA 126 B c, 1980, Diplomat Way—Lip Talk by Assagai BRED IN FLORIDA BY FARNSWORTH FARM	HELIODORO GUSTINES	30 JULIO ESPINOZA (P. P. 17)

 Indicates foaled in Kentucky.

1-1a-1x—Robert H. Spreen—Rebalot Stable—L. Robert French, Jr., Barry Beal & D. Wayne Lukas Entry

2-2b—Hickory Tree Stable—August Belmont IV, et al Entry

3-3c—Bwamazon Farm—Bwamazon Farm & Brereton C. Jones Entry

FIELD—12-13-14-15-16

Selections—1x-5-8-2b

109th-Kentucky Derby

8th Churchill

1 1/4 MILES. (1.59%) 109th Running KENTUCKY DERBY (Grade I). \$250,000 added. 3-year-olds. By subscription of \$200 each. All nomination fees to the winner. \$5,000 to pass the entry box, \$5,000 additional to start, with \$250,000 added of which \$50,000 to second, \$30,000 to third and \$15,000 to fourth (to be divided equally in the event of a dead heat). Weight 126 lbs. Starters to be named through the entry box Thursday, May 5, at usual time of closing. The maximum number of starters for the Kentucky Derby will be limited to twenty. In the event more than twenty entries pass through the entry box at the time of closing, the twenty starters and up to eight also eligibles will be determined at that time with preference given to those horses that have accumulated the highest earnings. Should any entry(ies) be withdrawn from the starting field prior to 4 P.M. scratch time, Friday, May 6, vacancies will be filled from the also eligible list and placed in the outside post positions in order of preference. For those that pass the entry box and are eliminated under this condition the entry fee will be refunded. Gold trophy to the winning owner. Closed with 405 nominations Tuesday, February 15, 1983.

Coupled—Balboa Native, Total Departure and Marfa; Chumming and Caveat; Freezing Rain and Highland Park.

Mutuel Field — Law Talk, Luv A Libra, Paris Prince, Explosive Wagon, My Mac.

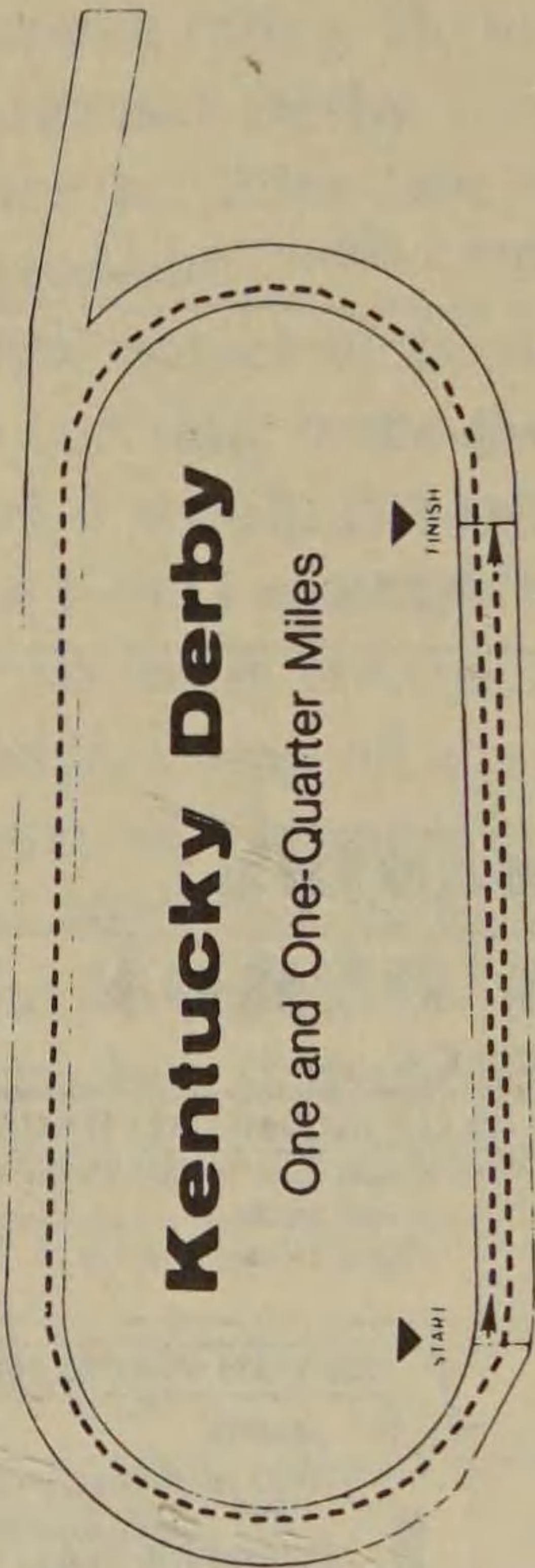
Slew O' Gold

Own.—Equequity Stable	126	B. c. 3, by Seattle Slew—Alluvial, by Buckpasser				
		Br.—Chalbourne Farm (Ky)				
		Tr.—Watters Sidney Jr				
23Apr83-8Aqu	1 1/4 :481 1:121 1:51 ft	*6-5 126	52	41 1/2	1st 1nk	Maple E1 Wood Mem 80-24 SlewO'Gold,Prfilement,HighHonors 7
23Apr83—Run in two divisions 7th & 8th races						
13Apr83-1Aqu	1 1/4 :483 1:123 1:504 ft	*1 117	1st 11	16	17 1/2	Cordero AJR4 Aw23000 81-19 Slew O' Gold, Law Talk, El Cubano 6
19Mar83-10Tam	1 1/4 :48 1:13 1:471 ft	2 1/2 118	42 1/2	43 1/2	23	2 1/2 RiverHjr2 Tampa Bay 82-21 Morgnmrgnmrgn,SlwO'Gld,QckDp 14
19Mar83—Steadied, checked						
5Mar83-10Tam	1 1/4 :474 1:132 1:472 ft	*2-5 118	86 1/2	43	32 1/2	33 1/2 MolnVH4 Sam F Davis 78-23 Sverton,TwoTurnsHome,SlwO'Gold 8
13Nov82-8Aqu	1 1/4 :482 1:124 1:501 gd	*9-5e 115	52 1/2	53	610 612	Lovato F Jr11 Remsen 72-20 PxInBlllo,Chumming,PrimitivPlsur 11
23Oct82-9Aqu	1 :47 1:121 1:372 ft	3 1/2 117	2 1/2	1nd 11 1/2	11 1/2	Lovato F Jr8 Aw20000 79-21 Slew O' Gold, Last Turn,Chumming 9
15Oct82-3Aqu	6 1/2 :232 :47 1:184 ft	*3-5 118	2 1/2	1 1/2	1nk	Cordero A Jr8 Mdn 81-26 SlewO'Gold,Countertrade,MjestyCov 8
May 5 CD 4 ft :48 h			Apr 30 CD 6 1/2 sy 1:14 h			Apr 20 Bel tr 1 5f sy :592 h Apr 10 Bel tr 1 6f sy 1:13 1/4 h (d)

Play Fellow *

Own.—Vanier Nancy&Lauer&Victor	126	B. c. 3, by On the Sly—Play for Keeps, by Run for Nurse				
		Br.—Bakewell Mr—Mrs P III (Ky)				
		Tr.—Vanier Harvey L				
28Apr83-7Kee	1 1/4 :464 1:11 1:492 sy	19 121	812	45 1/2	1st 1no	Cruguet J3 Blue Grass 90-16 Play Fellow,tMarfa,Desert Wine 12
2Apr83-10Hia	1 1/4 :471 1:111 1:492 ft	4 1/2 118	139 1/2	128 1/2	117 103 1/2	Cruguet J1 Flamingo 81-18 CurrntHop,Chmmng,Gn'IPrccttnt 14
2Apr83—Wide, brushed						
19Mar83-10Hia	1 1/4 :453 1:093 1:484 ft	*6-5 112	108 1/2	68	55	3 1/2 Cruguet J9 Everglades 87-18 Gn'IPrccttnt,OhMyWindnd,PlyFlw 12
28Feb83-7GP	7f :222 :45 1:233 ft	*1 122	67	67	31 1/2	15 1/2 Cruguet J5 Aw21000 87-24 PlayFellow,SmartStyle,GunCarriage 8
9Feb83-8GP	7f :222 :444 1:233 ft	*8-5 119	109	99 1/2	3nk 12	Cruguet J9 Aw14000 86-24 Play Fellow,Tarmoud,HighHonors 12
26Jan83-8GP	6f :22 :45 1:094 ft	6 1/2 119	95 1/2	66	24	22 1/2 Cruguet J2 Aw14000 87-20 JusticeSnders,PlyFellow,ElPerico 10
23Nov82-3CD	7 1/2 :231 :463 1:34 m	*9-5 118	2nd 12	11	22 1/2	Gallitano G3 Aw11200 72-35 Jenkins Ferry,PlayFellow,Ida'sSon 6
13Nov82-4CD	7f :233 :472 1:263 ft	*8-5 118	3 1/2	2 1/2	2 1/2	Gallitano G8 Aw11200 73-22 DarkSuce,PlyFellow,NibbleOnDrrell 8
3Nov82-5CD	6f :223 :463 1:124 gd	*1e 121	4 1/2	32 1/2	1 1/2	13 1/2 Gallitano G11 Mdn 82-26 Play Fellow,Great Boy,Lazaro 12
22Oct82-3Kee	6 1/2 :222 :454 1:19 ft	3 120	55 1/2	11 1/2	12	2 1/2 Haire D1 Mdn 81-18 NturllyBlu,PlyFlow,GrndstonTurn 12
Apr 20 Kee 7 1/2 ft 1:252 h			Apr 16 Kee 5 1/2 gd 1:01 b			Mar 31 Hia 4 ft sy :48 b Mar 26 Hia 5 1/2 ft 1:03 b

Route the Field Will Travel



Country Pine

Own.—Galbreath D M	126	B. c. 3, by His Majesty—Mountain Sunshine, by Vaguely Noble				
		Br.—Galbreath D M (Ky)				
		Tr.—Rondinello Thomas L				
23Apr83-7Aqu	1 1/4 :481 1:122 1:512 ft	3 1/2 126	55	3 1/2	2nd 2no	Bailey JD8 Wood Mem 78-24 BoundingBsqe,CountryPin,AzticRd 8
23Apr83—Run in two divisions 7th & 8th races; Wide						
2Apr83-10Hia	1 1/4 :471 1:111 1:492 ft	13e 118	95	43	73 1/2	82 1/2 Bailey J D2 Flamingo 83-18 CurrntHop,Chmmng,Gn'IPrccttnt 14
2Apr83—Steadied						
23Mar83-5Hia	7f :23 :453 1:22 ft	*4-5 118	32	2nd 1 1/2	12	Bailey J D6 Aw11000 93-16 Country Pine, Luv ALibra,Tarmoud 7
21Feb83-10GP	1 1/4 :474 1:12 1:433 ft	3 1/2 113	67 1/2	45	68	47 1/2 Fell J2 Ftn Youth 76-24 Copelan, Current Hope, Blink 8
21Feb83—Run in two divisions 9th & 10th races						
9Feb83-9GP	7f :221 :45 1:224 ft	3 1/2 112	105	84 1/2	53 1/2	3 1/2 VelsquezJ8 Hutcheson 89-24 CurrntHop,HighIndPrk,CountryPn 13
18Jan83-5GP	6f :222 :454 1:101 ft	*1 122	22	13	15	19 Velsquez J8 Aw14000 88-18 CountryPine,Sin'sChrger,SlickRulr 9
8Jan83-6GP	6f :214 :443 1:104 sy	3 1/2 122	106 1/2	1014	69 1/2	54 1/2 Velsquez J2 Aw14000 81-17 Sligh Jet, Unreal Zeal, Pure Grit 12
28Nov82-4Aqu	7f :224 :461 1:25 ft	*6-5 118	2 1/2	21	12	12 1/2 Velsquez J4 Mdn 76-28 CountryPine,ThWholTrickt,QuitGold 9
11Nov82-4Aqu	6f :222 :46 1:104 ft	6 1/2 118	31	95 1/2	76 1/2	57 1/2 Velsquez J1 Mdn 80-19 Jeff'sCompanion,JungleDust,Nevdo 13
May 5 Bel 4 ft :49 b			May 1 Bel 4 ft :482 b			Apr 22 Bel 3 1/2 ft :38 b Apr 17 Bel tr 1 6f gd 1:132 h

Freezing Rain *

Own.—Bwamazon Farm

126

Ch. c. 3, by It's Freezing—All's Well, by Well Mannered

Br.—Bwamazon Farm (Ky)

Tr.—Basile Anthony

1983 5 2 1 0 \$64,640

1982 5 3 0 2 \$24,685

		Lifetime		10	5	1	2	\$89,325		
28Apr83-7Kee	1 1/8 :46 1:11 1:492sy	2 1/2 e 121	10 12 69	55 1/2	59 1/2				Gavidia W1 Blue Grass	80-16 Play Fellow, #Marfa, Desert Wine 12
21Apr83-7Kee	7f :22 1/4 :45 1:234ft	*2-3 120	89 1/2	89 1/2	33 1/2	21			Solomone M2 Aw28000	86-15 DerbyDouble, FrezingRin, Hrry'NBill 9
9Apr83-7Kee	6f :22 1/4 :45 1:111sy	*4-5 118	96	75 1/2	33 1/2	1 1/2			BrumfieldD4 Lafayette	86-25 Freezing Rain, Harry'NBill, Hamlet 11
5Mar83-9GP	7f :22 1/4 :45 1:233ft	*4-5 119	66 1/2	73 1/2	52 1/2	53 1/2			Brumfield D9 Aw30000	82-19 Slewpy, Victorious, Gen'IPrtitioner 9
8Jan83-9GP	6f :22 :44 1:10 sy	4 1/2 e 114	77 1/2	56 1/2	33	1 1/2			BrumfldD7 Spect'ul Bid	89-17 FreezingRin, WriteOff, TotlDeprtue 9
27Nov82-4CD	7f :24 :48 1:254m	*1 115	32	41 1/2	2nd	1nk			Brumfield D6 Aw15700	78-29 FreezingRain, BrshBrother, DrkSuce 8
10Nov82-6CD	6f :22 :45 1:111ft	*6-5 115	62 1/2	31 1/2	1 1/2	14			Brumfield D3 Aw11200	90-22 FreezingRin, ShrpTimes, SlyRussllC. 9
22Oct82-4Kee	6 1/2 f :22 3/4 :46 1:181ft	*4-5 115	93 1/2	65	53 1/2	32			Day P10 Aw13500	84-18 Admirl'sGin, SoringTims, FrzingRin 12
13Oct82-4Kee	6f :22 1/4 :46 1:112ft	*2-3 115	96 1/2	75 1/2	44	31			Day P3 Aw13500	84-16 DerbyDouble, HndStd, FrezingRin 12
20May82-5AP	5f :23 1/4 :46 1:584ft	*3-5 122	22	2 1/2	2 1/2	1nk			Day P4	Mdn 92-29 Freezing Rain, Spare Card, Dakota 9
May 5 CD 4f ft :48 h		Apr 16 Kee 5f gd 1:032 b		Apr 7 Kee 4f ft :492 b		Apr 2 Kee 7f ft 1:284 b				

Balboa Native *

Own.—Spreen R H

126

Ch. c. 3, by Native Royalty—Diamond Till, by Model Fool

Br.—Owens R E (Ky)

Tr.—Lukas D Wayne

1983 5 2 0 2 \$141,000

1982 7 1 1 2 \$36,625

		Lifetime		12	3	1	4	\$177,625		
16Apr83-9OP	1 1/8 :46 1:113 1:492ft	*3 123	142514181016	711					Velasquez J1 Ark Dby	85-19 Sunny's Halo, Caveat, Exile King 14
27Mar83-11FG	1 1/8 :47 1:123 1:503ft	3 1/2 118	711	77	44	1 1/2			Velasquez J7 La Dby	91-19 BalboNtive, FoundPerlHrbor, Slewpy 8
27Mar83—Wide.										
5Mar83-8SA	1 :46 1:103 1:353ft	16 116	713	79 1/2	58	36 1/2			DhossyE1 San Rafael	83-16 Desert Wine, Naevus, BalboaNative 7
5Mar83—Fanned wide into stretch										
6Feb83-5SA	1 1/8 :47 1:121 1:444m	4 118	916	816	57	11 1/2			Pincay L Jr9 Aw20000	77-19 BlboNtive, FletScrmr, BrodwyHrry 9
9Jan83-2SA	1 1/8 :45 1:101 1:413ft	*2 1/2 118	88 1/2	89 1/2	47 1/2	36 1/2			Toro F4 Aw20000	86-10 Debt, Fleet Naskra, Balboa Native 8
30Dec82-5Hol	1 1/8 :45 1:101 1:424ft	4 1/2 117	1013	75 1/2	4 1/2	32			Pincay L Jr4 Aw19000	79-20 SprDmond, DomntngDooly, BlbNtv 10
30Oct82-3SA	1 :45 1:094 1:352ft	4 117	411	48	46 1/2	45 1/2			Romero R P2 Aw23000	85-10 RollANaturl, GlemMchine, SweetMn 5
16Oct82-7Kee	1 1/8 :47 1:112 1:433ft	23 121	98 1/2	913	1012	925			Meza R Q5 Brdrs' Fut	63-17 HighlandPark, Caveat, BrightBaron 12
8Sep82-8Dmr	1 :46 1:122 1:384sl	12 114	913	711	510	312			VlnlPA9 Dmr Futurity	62-30 RovingBoy, DesertWine, BalboNtive 9
28Aug82-6Dmr	1 :46 1:112 1:37 ft	3 1/2 117	3 1/2	31 1/2	37	12			Valenzuela P A9 Mdn	83-13 Balboa Native, Brian Ke, Adolfo 10
21Aug82-6Dmr	6f :22 3/4 :46 1:111ft	13 118	52 1/2	53 1/2	63	21			Valenzuela P A11 Mdn	81-12 MonsiurExcitmnt, BlboNtiv, Subsdz 12
1Aug82-6Dmr	1 :47 1:131 1:382ft	2 1/2 116	21	78 1/2	710	718			Lipham T4 Mdn	58-14 TnksBriqd, Morry'sChmp, DbonirHrc 8
Apr 23 Kee 4f ft :49 b		Apr 19 SA 5f m 1:04 h (d)		Apr 10 SA 4f ft :481 h						

Chumming

Own.—Hickory Tree Stable

126

Dk. b. or br. c. 3, by Alleged—Gulls Cry, by Sea-Bird

Br.—Newstead Farm (Va)

Tr.—Stephens Woodford C

1983 6 1 1 1 \$166,316

1982 4 2 1 1 \$361,000

Own.—Hickory Tree Stable										Lifetme										Turf										\$527,316										\$160									
										10 3 2 2										1 0 0 0																													
30Apr83-9CD 1 :46 1:11 1:374m *3-2e 116 128 116 67 59 12										Maple E12 Dby Trl 71-28 Caveat, TotalDeparture, PaxInBello 14																																							
2Apr83-10Hia 1 1/8 :47 1:11 1:492ft 9 118 64 75 62 2nk										Maple E9 Flamingo 85-18 CurrntHop, Chmmng, Gn'IPrtctonr 14																																							
2Apr83—Altered course																																																	
5Mar83-11GP 1 1/8 :48 1:11 1:494ft 5 118 21 34 45 56 12										CordrAJr8 Florida Dby 77-19 Croeso, Copelan, Law Talk 13																																							
21Feb83-9GP 1 1/8 :48 1:12 1:443ft 3 114 43 63 52 3 12										Maple E8 Ftn Youth 77-24 HighlandPark, Thlssoct, Chumming 9																																							
21Feb83—Brushed; Run in two divisions 9th & 10th races																																																	
11Feb83-7GP 1 1/8 :48 1:12 1:433ft *6-5 119 31 1hd 11 1 12										Maple E7 Aw16000 83-21 Chumming, Law Talk, GameDancer 7																																							
19Jan83-5GP a1 ① 1:372fm 6-5 119 911 76 66 68 12										Maple E2 Aw16000 84-13 Reap, Cancun, Smart Style 10																																							
13Nov82-8Aqu 1 1/8 :48 1:12 1:501gd 2 115 1 1 2 2 12										Maple E1 Remsen 82-20 PxInBillo, Chumming, PrimitivPlsur 11																																							
2Nov82-7Aqu 1 :45 1:10 1:36 ft *4-5 122 42 1 1 1 12										Maple E8 Aw20000 86-16 Chumming, RisingRaj, Nshu'sHidewy 8																																							
23Oct82-9Aqu 1 :47 1:12 1:372ft *2 122 63 65 55 34 12										Bailey J D2 Aw20000 74-21 Slew O' Gold, Last Turn, Chumming 9																																							
8Oct82-4Bel 1 :47 1:13 1:394ft 6 118 33 3nk 2hd 1 12										Maple E7 Mdn 66-25 Chumming, MomentofJoy, Tnyosho 11																																							
May 5 CD 4f ft :481 b										Apr 28 CD 4f ft :484 b										Apr 23 Bel 1 ft 1:41 h										Apr 12 OP 5f ft 1:033 b																			

Desert Wine *

Own.—Cardiff StudFarm&T90Ranch

126

B. c. 3, by Damascus—Anne Campbell, by Never Bend

Br.—Jones B—Warnerton Farms (Ky)

Tr.—Fanning Jerry

1983 4 2 1 0 \$166,315

1982 8 3 3 1 \$361,000

Own.—Carmen Stud Farm & Sack Ranch		Lifetime		12	5	4	1	\$527,315		
28Apr83-7Kee	1 1/8 :46 1:11 1:492sy	4 121	2 1/2	21 1/2	43 1/2	37 1/2		McCrrnCJ ⁵ Blue Grass	82-16 Play Fellow, #Marfa, Desert Wine	12
28Apr83—Placed second through disqualification, steadied near 3/16 pole										
10Apr83-4SA	1 1/8 :46 1:102 1:492ft	*4-5 120	63 1/2	42 1/2	77 1/2	69 1/2		McCrrnCJ ¹⁰ S A Derby	73-19 Marfa, My Habitony, Naevus	10
10Apr83—Wide 7/8 turn										
27Mar83-8SA	1 1/8 :45 1:094 1:413ft	*2-3 124	1 1/2	1hd	2hd	2hd		McCrrnCJ ⁶ SanFelipeH	93-13 #Naevus, Desert Wine, Fifth Division	6
27Mar83—Placed first through disqualification; Bumped in stretch										
5Mar83-8SA	1 :46 1:103 1:353ft	*6-5 119	1 1/2	1 1/2	12	12 1/2		McCrrnCJ ³ San Rafael	90-16 Desert Wine, Naevus, Balboa Native	7
12Dec82-8Hol	1 1/8 :45 1:101 1:414ft	6 1/2 e 121	2hd	3nk	2hd	2nk		McCrrnCJ ³ Hol Fut'y	86-20 Roving Boy, Desert Win, Fifth Division	9
27Nov82-8Hol	7f :21 1/4 :43 1:212ft	3 122	43	42 1/2	34	33		OlivaresF ² Hol Prevue	87-14 Copelan, R. Awacs, Desert Wine	8
30Oct82-8SA	1 1/8 :45 1:091 1:413ft	3e 118	2hd	1hd	21 1/2	24 1/2		Lipham T ² Norfolk	88-10 Roving Boy, Desert Wine, Aguila	9
6Oct82-8SA	7f :21 1/4 :44 1:223ft	*3-5 124	21 1/2	21	1hd	1 1/2		ShmrW ⁴ Sunny Slope	87-15 Desert Wine, Aguila, Crispin	4
8Sep82-8Dmr	1 :46 1:122 1:384sl	9-5e 120	13	1 1/2	1 1/2	2 1/2		ShmrW ⁵ Dmr Futurity	73-30 Roving Boy, Desert Wine, Balbo Ntive	9
25Aug82-8Dmr	1 :45 1:094 1:352ft	*4-5 117	21 1/2	32	45	—		Olivares F ⁵ Balboa	— Roving Boy, Encourager, Full Choke	5
25Aug82—Lost rider										
17Jly82-8Hol	6f :21 1/2 :44 1:093ft	2 1/2 116	31 1/2	32	1hd	16 1/2		OlvsrF ⁴ Hol Juv Chmp	89-10 Desert Wine, Ft. Davis, Full Choke	6
27Jun82-4Hol	5 1/2 f :22 1/4 :45 1:04 ft	*4-5 116	21 1/2	22 1/2	2 1/2	1 1/2		Olivares F ⁷ Mdn	91-12 Desert Wine, Son Of Song, Blue Seas	11
● Apr 22 Kee 5f ft :594 h		Apr 5 SA 6f ft 1:123 h		Mar 24 SA 5f ft :592 b		Mar 19 SA 6f ft 1:124 h (d)				

Law Talk

Own.—Buckram Oak Farm

126

B. c. 3, by Wardlaw—Tellinoid, by Captain's Gig

Br.—Hayman & Fuentes (Fla)

Tr.—Imperio Leonard

1983 5 1 2 2 \$52,207

1982 5 1 0 2 \$15,900

Lifetime 10 2 2 4 \$68,107

13Apr83-1Aqu	1 1/8 :48 1:12 1:50 4ft	2 117	67	33 1/2	26	27 1/2	Smith A Jr ³	Aw23000	73-19	Slew O' Gold, Law Talk, El Cubano	6
2Apr83-8Aqu	1 :46 1:11 1:36 3ft	*4-5 114	42	32	32 1/2	35 1/2	Samyn J L ³	Gotham	77-23	Chas Conerly, ElegantLife, LawTalk	6
2Apr83—Run in Two Divisions: 7th & 8th Races; Lacked room, std											
5Mar83-11GP	1 1/8 :48 1:11 1:49 4ft	18 118	65	44 1/2	33 1/2	34 1/2	Hrndz C ¹	Florida Dby	78-19	Croeso, Copelan, Law Talk	13
11Feb83-7GP	1 1/8 :48 1:12 1:43 3ft	3 122	65 1/2	32 1/2	21	2 1/2	Samyn J L ⁵	Aw16000	82-21	Chumming, Law Talk, GameDancer	7

Parfaitement

Own.—Daney Mrs Bernard

126

Ch. c. 3, by Halo—Double Axle, by The Axe II

Br.—Black Gates Nursery Trust (Pa)

Tr.—Boniface J William

1983 3 2 1 0 \$86,058

1982 6 5 1 0 \$71,030

Lifetime 9 7 2 0 \$157,088

23Apr83-8Aqu	1 1/8 :48 1:12 1:51 ft	3 126	2 1/2	1hd	2hd	2nk	McCIWH ⁷	Wood Mem	80-24	Slew O' Gold, Prfitement, HighHonors	7
23Apr83—Run in two divisions 7th & 8th races											
15Apr83-8Aqu	1 :46 1:10 1:37 ft	2 1/2 107	2hd	1 1/2	1 1/2	12 1/2	Davis R G ²	Hcp0	81-29	Parfaitement, MouseCorps, Tumrshu	5
2Apr83-9Grd	6 1/2 :23 1:48 1:20 1ft	*6-5 119	1hd	1hd	14	15 1/2	McCIWH ⁴	Woodstock	85-18	Parfitement, BgO'Bucks, NleesPoint	6
26Dec82-8Key	1 1/8 :48 1:13 1:47 1ft	*2-3 119	2 1/2	2 1/2	12 1/2	1 1/2	McClyWH ¹	Allegheny	68-30	Parfaitement, BalaGala, Jane'sPoise	6
4Dec82-8Key	6f :22 :45 1:10 4ft	*4-5 121	34	31 1/2	2 1/2	22	Agnello A ⁵	Dragoon	85-22	TwoDavids, Parfitement, OnionJuice	8
20Nov82-8Key	7f :22 :45 1:24 ft	*2-3 122	3 1/2	2 1/2	11	18	Wilson R ⁸	[S]Pa Futy	87-21	Parfaitement, Jne'sPoise, RoylDuel	10
7Nov82-8Key	7f :22 :45 1:24 1ft	2 1/2 117	2 1/2	21	12	11 1/2	Agnello A ⁶	Freetex	86-23	Parfaitement, Jane'sPoise, BalaGala	6
23Oct82-7Key	6f :22 :46 1:13 ft	*6-5 120	2hd	2hd	13	11 1/2	Agnello A ⁸	Aw10000	76-29	Prfitement, ChocolteDncr, GoosGrs	8
12Oct82-3Key	6f :22 :46 1:12 2ft	11 120	43 1/2	2 1/2	13	110	Terry J ⁵	[S]Mdn	79-29	Prfitement, JzzMster, ChckbookBrkr	7

• Mar 26 Pim 6f ft 1:14 h

Pax In Bello

Own.—Willcox Mrs A A

126

B. c. 3, by Hold Your Peace—Chicanery, by Pretense

Br.—Willcox Mr—Mrs A A (Fla)

Tr.—Jerkens Steven T

1983 3 1 1 1 \$18,535

1982 9 3 3 1 \$243,923

Lifetime 12 4 4 2 \$262,558

30Apr83-9CD	1 :46 1:11 1:37 4m	2 1/2 122	3 1/2	32	2 1/2	3nk	Fell J ¹³	Dby Trl	80-28	Caveat, TotalDeparture, PaxInBello	14
11Apr83-9Hia	1 1/8 :47 1:11 1:42 4ft	*1-9 125	12 1/2	14	1 1/2	21 1/2	Fell J ⁵	[S]D. Chappel H	87-22	Saverton, Pax InBello, FancyFriend	6
11Apr83—Wide											
21Mar83-5Hia	7f :22 :45 1:22 4ft	*2-5 118	22	2hd	12 1/2	12 1/2	Fell J ⁵	Aw13000	89-20	PxInBello, SuperRolfe, MyBestChoic	6
13Nov82-8Aqu	1 1/8 :48 1:12 1:50 1gd	5 113	84	42 1/2	1 1/2	11 1/2	Fell J ⁹	Remsen	84-20	PxInBello, Chumming, PrimitivPlsur	11
23Oct82-8Lrl	1 1/8 :46 1:12 1:45 ft	18 122	45	73 1/2	44 1/2	21	Perret C ⁵	Lrl Futurity	82-21	CstPrty, PxInBello, PrimitivePlesur	11
23Oct82—Blocked											
16Oct82-7Med	6f :22 :45 1:10 3ft	*4-5 116	41 1/2	33	22	22 1/2	Miranda J ⁴	Comet	87-15	Bet Big, PaxInBello, GeminiDreamer	7
12Sep82-8Bel	7f :23 :46 1:24 1ft	7 1/2 122	53 1/2	64 1/2	33 1/2	35 1/2	Miranda J ⁴	Bel Fut	76-19	Copelan, Satan'sCharger, PaxInBello	6
12Sep82—Very wide											
28Aug82-8Sar	6 1/2 :22 :44 1:16 3ft	4 1/2 122	3 1/2	65 1/2	67	44 1/2	Miranda J ⁴	Hopeful	85-13	Copelan, Victorious, Aloha Hawaii	9
28Aug82—Jumped a shadow											
14Aug82-6Sar	6f :22 :46 1:10 ft	4 1/2 119	4 1/2	1 1/2	13	12 1/2	Miranda J ⁵	Aw19000	90-11	Pax In Bello, Thalassocrat, Savour	7
30Jly82-4Bel	5 1/2 :22 :46 1:05 1ft	2 1/2 118	41 1/2	31 1/2	12	11 1/2	Miranda J ⁸	Mdn	89-16	PaxInBello, RisingRaja, TimelyHitter	9
11Jun82-3Mth	5f :22 :45 1:58 ft	2 1/2 118	1hd	1 1/2	1hd	2no	Lopez C ⁵	Mdn	96-18	Truby, Pax In Bello, Dashing Duke	9
1Jun82-5Mth	5f :22 :45 1:58 1ft	8 118	41 1/2	44 1/2	48	59 1/2	Perret C ⁸	Mdn	85-15	Pappa Riccio, Dashing Duke, Truby	8

Apr 28 CD 5f ft :59 4 h

Apr 24 Bel 1gd 1:46 b

Apr 21 Bel tr.t 5f ft :59 h

Apr 17 Bel tr.t 6f gd 1:16 b

My Mac

Own.—Aronow Stable

126

Dk. b. or br. g. 3, by Minnesota Mac—My Mom Nullah, by My Dad George

Br.—Royal Way Farm (Fla)

Tr.—Green Newcomb

1983 5 1 0 0 \$134,895

1982 15 5 5 2 \$72,302

Turf 1 0 0 0 \$2,052

Lifetime 20 6 5 2 \$207,197

16Apr83-90P	1 1/8 :46 1:11 1:49 2ft	5 1/2 123	710	46 1/2	67 1/2	58 1/2	MacBeth D ¹⁴	Ark Dby	87-19	Sunny's Halo, Caveat, Exile King	14
2Apr83-10Hia	1 1/8 :47 1:11 1:49 2ft	16 122	116	85 1/2	52 1/2	72 1/2	MacBeth D ⁶	Flamingo	83-18	CurrntHop, Chmmng, Gn'lPrcttonr	14
2Apr83—Steadied, blocked											
5Mar83-11GP	1 1/8 :48 1:11 1:49 4ft	14 122	118 1/2	1010	57	44 1/2	McBthD ¹³	Florida Dby	78-19	Croeso, Copelan, Law Talk	13
21Feb83-9GP	1 1/8 :48 1:12 1:44 3ft	8 1/2 122	85	32 1/2	42	4 1/2	MacBethD ⁶	Ftn Youth	77-24	HighlandPark, Thlsocrt, Chumming	9
21Feb83—Run in two divisions 9th & 10th races. Wide											
5Jan83-9Crc	1 1/8 :47 1:13 1:46 3ft	8 1/2 121	76	53 1/2	11	1 1/2	McBethD ⁸	Trp Pk Dby	86-19	My Mac, Caveat, Blink	11
18Dec82-9Crc	170 :47 1:12 1:42 2ft	6 1/2 117	79 1/2	410	33	22 1/2	MrqzC ⁶	What A Pleas	95-13	WorldAppel, MyMc, SunnyLooking	11
30Nov82-9Crc	170 :49 1:14 1:44 1ft	*6-5 119	33 1/2	21 1/2	21	21 1/2	Marquez C ³	Aw14000	88-14	Sunny Looking, My Mac, Blink	5
11Nov82-9Crc	a1 1/8 ① 1:47 4fm*3-2	119	55	43	32 1/2	51 1/2	MarquezC ⁹	Cty Miami	74-24	Blink, Disstistction, tJudgMyBudgt	11
11Nov82—Placed fourth through disqualification											
3Nov82-9Crc	1 :46 1:13 1:40 2ft	*9-5 119	35	31 1/2	2hd	1nk	Marquez C ⁵	Aw20000	86-21	MyMc, Bobbi'sPlesure, FleetL'Hurux	8
16Oct82-10Crc	1 1/8 :47 1:13 1:47 3ft	15 115	65 1/2	41 1/2	12 1/2	1 1/2	MrquezC ⁴	Fool'sh Plsr	81-20	My Mac, Blink, Judqe My Budget	11
23Sep82-7Crc	6f :22 :45 1:11 4ft	*6-5 116	2 1/2	1hd	12 1/2	11 1/2	Marquez C ⁴	Aw11000	93-16	My Mac, Royalty Miss, Devil'sPawn	5
13Sep82-9Crc	1 :48 1:13 1:40 1ft	2 1/2 112	32 1/2	31	42 1/2	44	Velez J A Jr ⁶	Aw13000	83-20	Bobbi's Pleasure, Luv ALibra, Blink	6
18Aug82-9Crc	6f :22 :46 1:12 3ft	9-5 1077	43 1/2	32	33 1/2	32 1/2	Feriole M F ¹	Aw10000	86-18	HelloHndsome, Bobbi'sPlsur, MyMc	5
30Jly82-8Crc	6f :22 :45 1:12 4ft	4 1/2 1057	61 1/2	33	1 1/2	14 1/2	Feriole M F ³	Aw9500	88-17	My Mac, Gloversville, High Tracy	12
21Jly82-7Crc	5 1/2 :22 :46 1:06 3ft	8 1/2 112	51 1/2	41 1/2	31 1/2	2 1/2	Velez J A Jr ⁴	Aw9500	91-17	Dr. Butcher, My Mac, Top Case	7
2Jly82-5Crc	5 1/2 :23 :47 1:06 4ft	*8-5 114	1hd	1hd	1hd	2no	Velez J A Jr ¹	40000	91-15	High Tracy, My Mac, Here's toPaul	6
14Jun82-5Crc	5f :22 :47 1:00 3ft	*8-5 118	12	13	12	2 1/2	Rocco J ¹	30000	88-16	What What, MyMac, FleetL'Heureux	7
7Jun82-2Crc	5f :22 :47 1:01 ft	5 1/2 115	42 1/2	2 1/2	1 1/2	1 1/2	Rocco J ⁴	M25000	87-15	MyMac, MarkJilyne, StrikingPrince	11
28May82-4Crc	5f :23 :48 1:02 2sy	7 115	43 1/2	32	31 1/2	42	Baltazar C ⁶	M25000	78-22	KeenBluffer, FncyFrind, tTudorGnrl	9
28May82—Placed third through disqualification											
20May82-3Crc	5f :23 :48 1:02 ft	*6-5 115	34	34	35	46	Rocco J ¹	M30000	76-17	Sailor's Lad, Tudor General, Fort	7

May 2 CD 6f gd 1:13 2 h

Mar 26 Hia 7f ft 1:28 2 h

Mar 21 Hia 5f ft 1:03 2 b

Mar 17 Crc 4f sy :49 4 h (d)

Paris Prince *

Own.—Green Dolly

126

Ch. c. 3, by Exclusive Native—Dancers Countess, by Northern Dancer

Br.—Holtsinger Inc (Ky)

Tr.—Barrera Lazaro S

1983 5 1 1 0 \$145,925

1982 7 3 1 0 \$86,015

Turf 1 0 0 0 \$3,324

Lifetime 12 4 2 0 \$231,940

23Apr83-7GG	1½:47 1:114 1:511sl	6 119	65½ 32 11 1½	Lipham T7	Cal Derby	77-27	ParisPrince, Tanks Brigade, Billy Bill	12
10Apr83-4SA	1½:46 1:102 1:492ft	18e 120	88½ 75½ 55 58½	Lipham T3	S A Derby	73-19	Marfa, My Habitony, Naevus	10
23Mar83-8SA	6½f:22 :442 1:151ft	11 117	4nk 34 33 26	DelhoussyE4	Baldwin	88-19	TotIDprtur, PrisPrinc, Morry'sChmp	9
23Feb83-8SA	6f :214 :442 1:093ft	4 120	62½ 44 41½ 58½	DhossyE2	Bolsa Chica	82-19	Dedicata, Maariv, Hyperborean	6
12Feb83-8SA	7f :223 :452 1:222ft	12 119	63½ 63½ 47½ 45½	DhssyE7	San Vicente	83-14	Shecky Blue, Full Choke, Naevus	7
12Feb83—Wide throughout								
27Nov82-8Hol	7f :214 :434 1:212ft	3½ 119	53½ 64½ 57½ 67½	PincyLJr1	Hol Prevue	82-14	Copelan, R. Awacs, Desert Wine	8
17Nov82-3Hol	6f :222 :451 1:091ft	*3-2 120	2½ 2hd 11½ 14	Pincay L Jr5	Aw21000	91-17	PrisPrince, RollANturl, SterlingSilv	7
30Oct82-8SA	1½:45 1:091 1:413ft	4 118	81½ 912 710 49½	Pincay L Jr6	Norfolk	84-10	Roving Boy, Desert Wine, Aguila	9
20Oct82-8SA	1½:464 1:113 1:433ft	*7-5 117	1½ 1hd 1½ 12½	PincayLJr5	El Rio Rey	83-16	ParisPrince, WildAgin, Morry'sChmp	8
7Oct82-8Bel	1½:474 1:113 1:42 fm	3½ 113	2hd 54 55½ 46	VelsquzJ3	Prince John	80-14	Caveat, Fortnightly, Nivernay	7
16Sep82-8Bel	6½f:223 :461 1:181ft	13 122	21 32 31 2½	Graell A5	Aw19000	84-19	Cast Party, ParisPrince, SmartStyle	9
28Aug82-5Sar	6f :22 :453 1:113ft	*8-5 118	1hd 1hd 1½ 11	Graell A2	Mdn	82-13	ParisPrince, StopCrd, CissicMoment	8
May 5 CD	4f ft :483 b							
Apr 17 SA	① 4f fm :494 h							
Apr 3 SA	4f ft :474 h							
Mar 18 SA	5f ft 1:00 h							

Total Departure

Own.—Rebalot Stable

126

B. c. 3, by Greek Answer—Life Style, by Manifesto

Br.—Hartigan J H (Fla)

Tr.—Lukas D Wayne

1983 5 1 1 1 \$75,569

1982 8 4 0 0 \$315,469

Lifetime 13 5 1 1 \$391,038

30Apr83-9CD	1 :462 1:11 1:374m	3½ 122	51½ 21 1½ 2hd	Velasquez J11	Dby Trl	80-28	Caveat, TotalDeparture, PaxInBello	14
10Apr83-4SA	1½:46 1:102 1:492ft	3½e 120	1hd 11½ 11 46½	Pincay LJr2	S A Derby	75-20	Marfa, My Habitony, Naevus	10
23Mar83-8SA	6½f:22 :442 1:151ft	*2 117	2hd 1½ 13 16	Pincay L Jr9	Baldwin	94-19	TotIDprtur, PrisPrinc, Morry'sChmp	9
19Jan83-9GP	7f :22 :443 1:232ft	*2 123	11 11½ 21½ 69	Fires E1	Floridian H	78-20	Pure Grit, Sunny Looking, Bet Big	9
8Jan83-9GP	6f :22 :443 1:10 sy	*2-3 122	12 2hd 21 32	Fires E1	Spect'ul Bid	87-17	FreezingRin, WriteOff, TotIDprtur	9
30Oct82-8SA	1½:45 1:091 1:413ft	7 118	1hd 2hd 47½ 716	McCarron CJ8	Norfolk	77-10	Roving Boy, Desert Wine, Aguila	9
9Oct82-7Bel	1 :452 1:102 1:374ft	8 122	1hd 21½ 36 59½	Fell J8	Champagne	66-25	Copelan, PappaRiccio, ElCubanaso	13
29Sep82-8Bel	7f :223 :451 1:242ft	*8-5 122	2½ 2½ 33½ 72½	Fires E10	Cowdin	77-18	What'sDat, PappaRiccio, CastParty	11
28Aug82-8AP	7f :22 :45 1:233ft	*7-5 122	11½ 12½ 13½ 16	Fires E3	Arlwashfut	84-21	TotIDprtur, CoxMMt, HighIndPrk	8
11Aug82-8AP	6f :223 :46 1:111ft	7-5 124	12½ 13½ 13 13½	Fires E6	Arch Ward	86-17	TotIDprtur, HighIndPrk, PssingBs	8
28Jly82-8AP	5½f:22 :454 1:044ft	*4-5 115	2½ 2hd 12½ 13	Fires E8	Joliet	91-24	TotalDeparture, SpreCrd, PrePlanned	9
5Jly82-8AP	5½f:214 :452 1:042ft	*3-5 115	31½ 31 43½ 47½	Fires E5	Primer	85-14	GreatHunter, PssingBse, HighIndPrk	6
21Apr82-3GP	5f :223 :46 :581ft	8-5 122	13 15 17 111	Fires E12	Mdn	95-20	TotIDprtur, ProspectvFlsh, NtTwTms	12
Apr 6 SA	5f ft 1:012 h							
Mar 31 SA	6f ft 1:124 h							

Sunny's Halo *

Own.—D J Foster Stable

126

Ch. c. 3, by Halo—Mostly Sunny, by Sunny

Br.—Foster D J (Ont-C)

Tr.—Cross David C Jr

1983 2 2 0 0 \$245,190

1982 11 5 2 1 \$235,829

Lifetime 13 7 2 1 \$481,019

16Apr83-90P	1½:462 1:113 1:492ft	*3 126	15 15 14 14	DelhoussyE13	Ark Dby	96-19	Sunny's Halo, Caveat, Exile King	14
26Mar83-90P	170:462 1:121 1:421gd	2½ 121	41½ 51½ 1hd 13	Snyder L2	Rebel H	85-15	Sunny's Halo, Sligh Jet, LeCouCou	11
26Mar83—Boxed in stretch turn								
4Nov82-6Med	1½:454 1:093 1:432ft	30 122	31 34½ 47½ 69	PennaD10	Yng Amer'a	83-14	Slewpy, Bet Big, El Cubanaso	11
23Oct82-8Lrl	1½:463 1:123 1:45 ft	*2½ 122	1hd 42 81½ 916	BrcclVJr9	Lrl Futurity	67-21	CstPrty, PxInBello, PrimitivePlesur	11
11Oct82-9WO	1½:472 1:122 1:533sy	*1-4 122	14 16 16 17½	PnnD3	Coro'n Fut'y	72-29	Snn'y'sHlo, RsngYngStr, HlbrtnHsk	8
25Sep82-9WO	1½:472 1:124 1:452sy	*1-3 123	11½ 13 15 16½	Penna D1	Grey	82-28	Snn'y'sHlo, RsngYngStr, HrdScrmblr	9
12Sep82-9WO	7f :233 :462 1:234ft	*4-5 122	1½ 11½ 13½ 17½	Penna D4	Swynford	90-20	Sunny'sHlo, ScrtWrd, RsngYoungStr	6
18Aug82-8Sar	6f :22 :443 1:102ft	2½ 122	42½ 42 55 57½	Fell J5	Sanford	80-15	Copelan, Smart Style, Safe Ground	5
21Jly82-8Bel	6f :224 :453 1:101ft	*8-5 122	33½ 33½ 33 32	Fell J3	Tremont	89-17	Laus'Cause, RulingGold, Sunny'sHlo	6
4Jly82-9WO	6f :221 :453 1:102ft	*6-5 114	43 3½ 15 110	Penna D3	Colin	91-12	Snn'y'sHlo, SqrCornwll, MyrnsRssn	10
19Jun82-7WO	5½f:22 :454 1:053sy	2½ 115	31½ 34 34½ 21½	Penna D1	Clarendon	87-19	SvnStons, Sunny'sHlo, SqrCornwll	10
24May82-9WO	5f :22 :452 :581ft	2½ 117	57 41½ 28 28½	Penna D5	Victoria	86-18	Flying Pocket, Sunny'sHlo, Snazee	7
9May82-4WO	5f :231 :483 1:014ft	4½ 120	76½ 68 44 1hd	Penna D7	Mdn	77-25	Sunny'sHalo, TugO'Nr, RiseARegent	9
May 1 CD	1 sy 1:413 h							
Apr 26 CD	1 ft 1:433 b							
Apr 10 OP	1 ft 1:40 h							
Apr 5 OP	6f sy 1:183 b							

Explosive Wagon *

Own.—McReynolds Peggy

126

Ch. c. 3, by Explodent—Gypsy Wagon, by Conestoga

Br.—Windy City Stable (Fla)

Tr.—Norman Gene

1983 6 3 0 1 \$68,460

1982 9 6 2 1 \$82,650

Lifetime 15 9 2 2 \$151,110

23Apr83-9LaD	1 $\frac{1}{8}$:484	1:134	1:452sl	*2-5	124	4nk	1hd	14	14	Mueller C ²	Hldy In Dxie	85-22	ExplosvWgon,Empr'sClths,Hrrwgt	7	
27Mar83-11FG	1 $\frac{1}{8}$:474	1:123	1:503ft	*6-5	123	64 $\frac{1}{2}$	64	54	55 $\frac{1}{2}$	Mueller C ⁸	La Dby	85-19	BalboNtve,FoundPerlHrbr,Slewpy	8	
27Mar83—Rank early, carried out first turn															
12Mar83-10FG	1 $\frac{1}{8}$:482	1:13	1:434ft	*4-5	119	51 $\frac{1}{2}$	31 $\frac{1}{2}$	11 $\frac{1}{2}$	15 $\frac{1}{2}$	Mueller C ²	Dby Trl	93-14	ExplosvWgon,HIToRom,TmrtyPrnc	7	
19Feb83-10FG	1 $\frac{1}{8}$:472	1:114	1:45 ft		13	76 $\frac{1}{2}$	55 $\frac{1}{2}$	2hd	13	Mueller C ⁸	Le Comte H	87-19	ExplosvWgon,FndPrlHrbr,PrntFrl	11	
5Feb83-9FG	6f	:214	:453	1:11 ft	9-5	120	13	12	31	56 $\frac{1}{2}$	Mueller C ⁶	Blk Gold H	83-17	ProntoForli,OnForAunti,WillowDriv	7
15Jan83-9FG	6f	:22	:454	1:111ft	*1-3	122	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2hd	34	Mueller C ⁵	HcpO	85-18	ProntoForl,WllowDrv,ExplosvWgon	9
31Dec82-9FG	6f	:213	:454	1:112ft	2 $\frac{1}{2}$	119	64 $\frac{1}{2}$	52 $\frac{1}{2}$	11 $\frac{1}{2}$	14	Mullr C ³	Sugar Bowl H	88-22	ExplosvWgn,ErnstLck,MndbggIng	10
12Dec82-5FG	6f	:222	:46	1:122gd	*4-5	116	1hd	1 $\frac{1}{2}$	1hd	1 $\frac{1}{2}$	Mueller C ²	Aw11000	83-22	ExplosiveWagon,Hmlet,ChnceALot	9
17Oct82-4LaD	6 $\frac{1}{2}$ f	:221	:443	1:161ft	*8-5	122	2 $\frac{1}{2}$	2hd	1hd	18	Mueller C ⁶	Aw17000	101-07	ExplosvWgon,ChncALot,HIToRom	12
20Oct82-9LaD	6 $\frac{1}{2}$ f	:223	:453	1:17 ft	9 $\frac{1}{2}$	122	2 $\frac{1}{2}$	11	13 $\frac{1}{2}$	13	Mueller C ⁴	Aw18000	97-09	ExplosiveWagon,WildAgin,JoeJoe	12
24Sep82-6LaD	6f	:23	:462	1:12 ft	*9-5	122	41 $\frac{1}{2}$	3nk	2 $\frac{1}{2}$	1nk	Mueller C ⁵	Aw14000	89-15	ExplosvWgon,MomntOfRlty,DblLn	12
3Sep82-9LaD	6f	:23	:461	1:12 ft	2 $\frac{1}{2}$	120	2 $\frac{1}{2}$	22	22 $\frac{1}{2}$	21	Mueller C ²	Aw14000	88-12	ChncALot,ExplosvWoon,ChrlvKrk	10
27Aug82-7LaD	6f	:222	:453	1:12 ft	4 $\frac{1}{2}$	122	41 $\frac{1}{2}$	2hd	11 $\frac{1}{2}$	32	Perrodin E J ⁴	Aw15000	87-10	Mr.Stormn,Soy'sHop,ExplosvWgn	10
6Aug82-6LaD	6f	:223	:454	1:111ft	*8-5	120	41 $\frac{1}{2}$	33	34	24	Mueller C ⁴	Aw12500	89-10	TmrtyPrnc,ExplosvWgn,SnbrndBby	11
22Jly82-5LaD	6f	:222	:454	1:131ft	4	120	14	16	16	14 $\frac{1}{2}$	Mueller C ⁷	Mdn	83-16	ExplosvWgn,OcnKngdm,LndngChf	12

May 5 CD 5f ft 1:00¹ h

Apr 21 LaD 4f ft :47³ b

Apr 16 LaD 5f ft :58 b

Mar 25 FG 4f ft :49² b

Current Hope

Own.—Baker & Kaskel

126

Ro. c. 3, by Little Current—Kahoolawe, by Warfare

Br.—Mabee Mr—Mrs J C (Ky)

Tr.—Laurin Roger

1983 5 3 1 0 \$213,293

1982 8 2 0 2 \$50,244

Lifetime 13 5 1 2 \$263,537

2Apr83-10Hia	1 $\frac{1}{8}$:471	1:111	1:492ft	37	122	149 $\frac{1}{2}$	64	1 $\frac{1}{2}$	1nk	Solis A ¹¹	Flamingo	85-18	CurrntHop,Chmmng,Gn'IPrcttonr	14	
2Apr83—Wide, driving															
5Mar83-11GP	1 $\frac{1}{8}$:481	1:113	1:494ft	10	122	97 $\frac{1}{2}$	78 $\frac{1}{2}$	79	710	VlsquzJ ¹⁰	Florida Dby	73-19	Croeso, Copelan, Law Talk	13	
21Feb83-10GP	1 $\frac{1}{8}$:474	1:12	1:433ft	4 $\frac{1}{2}$	117	45 $\frac{1}{2}$	23	2 $\frac{1}{2}$	22 $\frac{1}{2}$	MacBethD ⁷	Ftn Youth	81-24	Copelan, Current Hope, Blink	8	
21Feb83—Run in two divisions 9th & 10th races															
9Feb83-9GP	7f	:221	:45	1:224ft	9 $\frac{1}{2}$	114	1311	94 $\frac{1}{2}$	1hd	1no	Solis A ¹¹	Hutcheson	90-24	CurrntHop,HighIndPrk,CountryPn	13
9Feb83—Lost whip															
15Jan83-7GP	7f	:222	:45	1:233ft	3 $\frac{1}{2}$	1145	77 $\frac{1}{2}$	77 $\frac{1}{2}$	13	16	Solis A ²	Aw15000	86-20	CurrentHope,ElCubno,DerbyDouble	9
27Nov82-8Aqu	1	:461	1:12	1:373ft	13	114	89 $\frac{1}{2}$	44	54	69 $\frac{1}{2}$	Fell J ⁸	Nashua	69-29	IEnclose,LoosCnnon,MomntofJoy	11
4Nov82-6Med	1 $\frac{1}{8}$:454	1:093	1:432ft	33	119	916	811	68 $\frac{1}{2}$	58 $\frac{1}{2}$	Fell J ¹	Yng Amer'a	83-14	Slewpy, Bet Big, El Cubanaso	11	
23Oct82-8Lrl	1 $\frac{1}{8}$:463	1:123	1:45 ft	31	122	107 $\frac{1}{2}$	2hd	32	46 $\frac{1}{2}$	Fell J ⁸	Lrl Futurity	76-21	CstPrty,PxInBello,PrimitivePlesur	11	
16Oct82-3Aqu	7f	:231	:47	1:244ft	*6-5	117	11 $\frac{1}{2}$	11 $\frac{1}{2}$	15	13	Cordero AJr ¹	Aw19000	77-26	CurrentHope,ProudCapitl,Ski'sHert	7
29Sep82-6Bel	7f	:224	:453	1:233ft	2 $\frac{1}{2}$	117	55	52 $\frac{1}{2}$	32	35 $\frac{1}{2}$	Russ M L ³	Aw19000	78-18	WhiteBirch,GlxvGuide,CurrentHope	8
29Sep82—Forced wide															
7Jly82-7Bel	5 $\frac{1}{2}$ f	:221	:46	1:053ft	7	115	35	34 $\frac{1}{2}$	42 $\frac{1}{2}$	53 $\frac{1}{2}$	Russ M L ¹	Juvenile	84-18	Victorious,NorthernIce,Laus'Cause	7
24Jun82-4Bel	6f	:23	:461	1:103ft	11	118	11 $\frac{1}{2}$	11	12	14	Russ M L ⁹	Mdn	89-12	CrrntHop,LgndryWlth,FlonosFlw	10
3Jun82-4Bel	5f	:222	:453	:574ft	3 $\frac{1}{2}$	117	22	22	24	38 $\frac{1}{2}$	Russ M L ³	Mdn	97-12	What's Dat, Sluggard,CurrentHope	8

May 5 CD 4f ft :48 h

Apr 30 CD 1 sy 1:46⁴ b

Apr 25 Kee 6f gd 1:16³ b

Apr 18 Bel tr.1 5f ft :59⁴ h

Luv A Libra

Own.—DeCosta Vivian & Yagoda

126

B. c. 3, by Diplomat Way—Lip Talk, by Assagai

Br.—Farnsworth Farm (Fla)

Tr.—Gustines Heliodoro

1983 5 0 2 0 \$19,180

1982 15 2 5 3 \$213,638

Lifetime 20 2 7 3 \$232,818

30Apr83-9CD	1	:462	1:11	1:374m	15	122	108	74 $\frac{1}{2}$	77 $\frac{1}{2}$	712	Fires E ⁶	Dby Trl	68-28	Caveat,TotalDeparture,PaxInBello	14
2Apr83-10Hia	1 $\frac{1}{8}$:471	1:111	1:492ft	69	122	84 $\frac{1}{2}$	96	83 $\frac{1}{2}$	42	Fires E ⁴	Flamingo	83-18	CurrntHop,Chmmng,Gn'IPrcttonr	14	
2Apr83—Shuffled back															
23Mar83-5Hia	7f	:23	:453	1:22 ft	2 $\frac{1}{2}$	115	42	1hd	2 $\frac{1}{2}$	22	Vasquez J ⁴	Aw11000	91-16	Country Pine, Luv ALibra,Tarmoud	7
12Mar83-6Hia	6f	:222	:454	1:111ft	4 $\frac{1}{2}$	115	4 $\frac{1}{2}$	44 $\frac{1}{2}$	41 $\frac{1}{2}$	2hd	Alvarado V ¹	Aw11000	87-14	Sylvia's Time, Luv A Libra, Truby	8
12Mar83—Taken up															
5Jan83-9Crc	1 $\frac{1}{8}$:474	1:13	1:463ft	54	121	87	119 $\frac{1}{2}$	1010	1012	Lee M A ²	Trp Pk Dby	74-19	My Mac, Caveat, Blink		11
18Dec82-9Crc	170	:472	1:122	1:422ft	10	120	46 $\frac{1}{2}$	615	819	924	RssML ²	What A Pleas	74-13	WorldAppel,MyMc,SunnyLooking	11
13Nov82-8Aqu	1 $\frac{1}{8}$:482	1:124	1:501gd	33	122	31	2 $\frac{1}{2}$	47	49 $\frac{1}{2}$	Vergara O ⁵	Remsen	74-20	PxInBillo,Chumming,PrimitivPlsur	11	
4Nov82-6Med	1 $\frac{1}{8}$:454	1:093	1:432ft	75	122	711	711	816	815	Maple E ³	Yng Amer'a	77-14	Slewpy, Bet Big, El Cubanaso	11	
9Oct82-7Bel	1	:452	1:102	1:374ft	26	122	1012	918	917	817	Lee M A ⁶	Champagne	59-25	Copelan, PappaRiccio,ElCubanaso	13
25Sep82-9Crc	1 $\frac{1}{8}$:481	1:134	1:474ft	7	120	63 $\frac{1}{2}$	53 $\frac{1}{2}$	21 $\frac{1}{2}$	1nk	LeeMA ¹	[S]Fla Stallion	80-15	Luv A Libra, Blink, El Kaiser	14	
13Sep82-9Crc	1	:484	1:133	1:401ft	*1	112	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2hd	2no	Aviles O B ⁴	Aw13000	87-20	Bobbi's Pleasure, Luv ALibra,Blink	6
28Aug82-9Crc	6f	:212	:452	1:12 ft	21	118	87 $\frac{1}{2}$	59	54 $\frac{1}{2}$	23 $\frac{1}{2}$	LeeMA ²	[S]Fla Stallion	88-10	El Kaiser, Luv A Libra, Blink	11
20Aug82-9Crc	6f	:221	:461	1:124ft	*6-5	114	54 $\frac{1}{2}$	44 $\frac{1}{2}$	41 $\frac{1}{2}$	21	Lee M A ⁴	Aw9500	87-19	King Billy, Luv A Libra, Top Case	7
31Jly82-9Crc	5 $\frac{1}{2}$ f	:221	:461	1:053ft	46	116	86 $\frac{1}{2}$	97 $\frac{1}{2}$	66 $\frac{1}{2}$	56 $\frac{1}{2}$	LeeMA ⁶	[S]Fla Stallion	90-15	EIKiser,NightMover,HelloHndsom	13
10Jly82-9Crc	5 $\frac{1}{2}$ f	:22	:454	1:05 ft	24	113	57 $\frac{1}{2}$	57 $\frac{1}{2}$	53 $\frac{1}{2}$	35 $\frac{1}{2}$	Lee M A ²	Criterium	95-11	El Kaiser, Night Mover, LuvALibra	6
28Jun82-5Crc	5 $\frac{1}{2}$ f	:224	:473	1:073ft	2 $\frac{1}{2}$ e	115	54	32 $\frac{1}{2}$	12	14 $\frac{1}{2}$	Lee M A ²	Mdn	87-20	LuvALibr,MonsieurNsty,tDrvishHro	9
9Jun82-4Crc	5f	:224	:46	1:00 ft	10	115	53	46	45 $\frac{1}{2}$	26 $\frac{1}{2}$	DanJean R ⁷	Mdn	85-24	NightMover,LuvALibr,Gloversville	10
27May82-2Crc	5f	:224	:471	1:011sy	*3-5	115	34 $\frac{1}{2}$	36	35	2 $\frac{1}{2}$	Aviles O B ⁶	M40000	85-20	CrowningWish,LuvALibr,Km'sDlvry	7
17May82-6Crc	5f	:224	:473	1:011ft	*2 $\frac{1}{2}$	115	33	45 $\frac{1}{2}$	42	31 $\frac{1}{2}$	DanJean R ¹	Mdn	84-17	Bobbi'sPlesur,Glovrsvill,LuvALibr	12
30Apr82-3GP	5f	:23	:47	:592gd	6	122	2 $\frac{1}{2}$	2hd	21 $\frac{1}{2}$	33 $\frac{1}{2}$	Londono O J ³	Mdn	85-18	Cordon, Gun Carriage, Luv A Libra	8

May 5 CD 4f ft :50² b

Apr 29 CD 3f sy :38¹ b

Apr 24 Hia 5f sy :59² b

Apr 20 Hia 6f ft 1:13³ h

Marfa *

Own.—French Jr, Beal & Lukas

126

Gr. c. 3, by Foolish Pleasure—Gray Matter, by Stratmat

Br.—Gentry T (Ky)

Tr.—Lukas D Wayne

1983 9 3 3 0 \$384,544

1982 2 M 0 1 \$2,400

Lifetime 11 3 3 1 \$386,944

28Apr83-7Kee	1 1/8 :46 1:11 1:492sy	*3-2 121	69 1/2 56	2nd 2nd	VelsquezJ7 Blue Grass	90-16 Play Fellow, †Marfa, Desert Wine	12
†28Apr83—Disqualified and placed fourth, bore in upper stretch							
10Apr83-4SA	1 1/8 :46 1:102 1:492ft	3 1/2 120	78 1/2 65 1/2 31 1/2 13		VelsquezJ7 S A Derby	82-19 Marfa, My Habitony, Naevus	10
26Mar83-9Lat	1 1/8 :46 1:103 1:422ft	*3 1/2 120	46 31 1/2 1hd 18		Velasquez J10 Spiral	98-24 Marfa, Noble Home, Hail ToRome	12
26Mar83—Daily Racing Form Time 1:44 1/5; Lugged in							
16Mar83-8SA	1 1/8 :46 1:104 1:423ft	*2 117	84 1/2 84 1/2 56 1/2 45 1/2		PincayLJr7 S Catalina	82-17 FastPassge,Hyperboren,MyHbitony	8
16Mar83—Forced wide 7/8 turn, lugged in through stretch							
6Mar83-5SA	1 1/8 :46 1:104 1:433ft	5 1/2 120	76 1/2 54 1/2 2hd 2nk	Toro F7	Aw20000	83-17 Silent Fox, Marfa,LouisvilleSummit	9
6Mar83—Wide 3/8 turn lugged in through stretch; Broke slowly							
13Feb83-6SA	1 1/8 :46 1:112 1:432ft	4 118	43 11 15 13 1/2	Toro F10		Mdn 84-12 Marfa, Blue Seas, Gato Montes	12
13Feb83—Off poorly wide							
30Jan83-4SA	7f :22 1:45 1:244gd	2 1/2 118	35 31 1/2 2 1/2 2no	Toro F4		Mdn 76-22 Added Feature, Marfa, Flint Fire	7
9Jan83-6SA	1 1/8 :46 1:104 1:414ft	3 1/2 118	66 1/2 53 1/2 55 1/2 56	Toro F8		Mdn 86-09 Major Henry, Fast Screen,BlueSeas	8
1Jan83-4SA	6f :21 1:44 1:094ft	7 1/2 118	912 911 75 1/2 22	Pincay L Jr3		Mdn 87-11 Fast Passage, Marfa, Viron	10
7Nov82-6Hol	1 1/8 :47 1:114 1:44 ft	7 1/2 118	52 1/2 31 1/2 32 34 1/2	Pincay L Jr2		Mdn 70-20 EminentLad,RightOnCenter,Marfa	10
17Oct82-6SA	1 1/8 :46 1:104 1:422ft	4 1/2 117	51 1/2 53 1/2 710 825	Pincay L Jr7		Mdn 64-09 FfthDvson,SomthngByond,Estpnd	10

Apr 22 Kee 5f ft 1:00 1 b

Apr 4 SA 5f ft 1:01 3 h

Highland Park *

Own.—Bwamazon Farm & Jones

126

Ch. c. 3, by Raise a Native—Old Goat, by Olden Times

Br.—Bwamazon Farm (Ky)

Tr.—Basile Anthony

1983 4 2 1 0 \$76,648

1982 11 6 2 3 \$306,210

Lifetime 15 8 3 3 \$382,858

28Apr83-7Kee	1 1/8 :46 1:11 1:492sy	2 1/2 121	33 1/2 34 1/2 68 1/2 715	BrumfldD6 Blue Grass	75-16 Play Fellow, †Marfa, Desert Wine	12
19Apr83-7Kee	1 1/8 :47 1:112 1:444ft	*1-3 123	32 2hd 1hd 1no	Vasquez J3 Aw28000	82-18 HighlandPrk,PssingBse,RomnForce	8
21Feb83-9GP	1 1/8 :48 1:12 1:443ft	*2-3 122	2hd 2hd 1 1/2 1nk	BrumfldD9 Ftn Youth	78-24 HighlandPark,Thlsocrt,Chumming	9
21Feb83—Run in two divisions 9th & 10th races						
9Feb83-9GP	7f :22 1:45 1:224ft	*9-5 122	61 31 1/2 2hd 2no	BrumfldD9 Hutcheson	90-24 CurrntHop,HighIndPrk,CountryPn	13
20Nov82-8CD	1 1/8 :50 1:143 1:47 sy	*3-5 122	22 22 21 1/2 13 1/2	BrumfldD2 Jcky Club	73-26 Highland Park,CoaxMeMatt,Caveat	5
6Nov82-8CD	1 :46 1:112 1:381ft	*2-5 122	31 2 1/2 11 1/2 16	Brumfield D7 Iroquois	78-24 HighlandPark,CoxMeMtt,WhiteFig	8
16Oct82-7Kee	1 1/8 :47 1:112 1:433ft	2 1/2 121	3 1/2 2hd 2hd 1no	Lively J10 Brdrs' Fut	88-17 HighlandPark,Caveat,BrightBaron	12
9Oct82-6Kee	a7f :22 1:283sy	*6-5 123	1hd 11 12 14 1/2	Brumfield D2 Aw28200	80-22 HighIndPrk,WillowDrv,RunForGrco	6
28Aug82-8AP	7f :22 :45 1:233ft	9 1/2 122	52 1/2 43 1/2 35 1/2 36 1/2	RomrRP8 Ap Wsh Fut	77-21 TotlDeprtue,CoxMMtt,HighIndPrk	8
11Aug82-8AP	6f :22 :46 1:111ft	3 124	33 35 23 23 1/2	RomroRP3 Arch Ward	82-17 TotlDeprtue,HighIndPrk,PssingBs	8
23Jly82-8AKs	6f :22 :45 1:11 ft	*7-5 113	42 2 1/2 1 1/2 12 1/2	Romero R P6 Juvenile	82-20 HighlandPark,HandStand,TriSwps	10
5Jly82-8AP	5 1/2 :214 :452 1:042ft	2 1/2 115	52 1/2 52 1/2 22 3 1/2	Romero R P3 Primer	92-14 GreatHunter,PssingBse,HighIndPrk	6
30May82-3AP	5f :22 :46 1:591ft	9-5 122	11 11 1/2 12 1/2 17	Fires E3	Mdn 90-23 HighlandPark,SpareCard,FinalFight	7
20Apr82-3Kee	4 1/2 :22 :454 :52 ft	2 118	4 2hd 21 23	Brumfield D2	Mdn 92-05 BoldUpsrng,HghIndPrk,KntnLndng	8
3Apr82-3Kee	4 1/2 :22 :464 :531gd	*6-5 119	4 52 1/2 32 31 1/2	Brumfield D5	Mdn 87-11 It'sDwn,HppinessRod,HighIndPrk	11

May 5 CD 4f ft :48 h

Apr 25 Kee 5f gd 1:01 3 b

Apr 18 Kee 3f ft :35 h

Apr 14 Kee 1 ft 1:42 h

Caveat *

Own.—Belmont A et al

126

Dk. b. or br. c. 3, by Cannonade—Cold Hearted, by The Axe II

Br.—Ryehill Farm (MD)

Tr.—Stephens Woodford C

1983 7 1 3 0 \$144,458

1982 11 3 3 3 \$133,432

Lifetime 18 4 6 3 \$277,890

Turf 5 3 2 0 \$78,656

30Apr83-9CD	1 :46 1:11 1:374m	*3-2e 122	138 137 43 1hd	Pincay L Jr ⁹	Dby Trl	80-28	Caveat,TotalDeparture,PaxInBello	14
16Apr83-9OP	1 1/8 :46 1:113 1:492ft	8 1/2 120	131 101 12 35 1/2 24	Maple E ¹¹	Ark Dby	92-19	Sunny's Halo, Caveat, Exile King	14
16Apr83—Bumped soundly at 3/8 pole								
6Apr83-9OP	1 1/8 :48 1:14 1:45 ft	8-5 116	44 43 2hd 2hd	Maple S ³	Aw30000	83-26	Exile King, Caveat, Sligh Jet	5
19Mar83-10Hia	1 1/8 :45 1:09 1:484ft	4 1/2 114	64 1/2 43 1/2 42 41	Maple E ¹	Everglades	87-18	Gn'IPrcttnr,OhMyWndInd,PlyFlw	12
19Mar83—Hit by whip								
5Mar83-11GP	1 1/8 :48 1:11 1:494ft	22 122	1210 111 2 913 1016	Maple E ¹¹	Flordia Dby	67-19	Croeso, Copelan, Law Talk	13
21Feb83-10GP	1 1/8 :47 1:12 1:433ft	3 1/2 117	57 65 1/2 46 58 1/2	Maple E ⁶	Ftn Youth	74-24	Copelan, Current Hope, Blink	8
21Feb83—Bumped; Run in two divisions 9th & 10th races								
5Jan83-9Crc	1 1/8 :47 1:13 1:463ft	4 121	1010 96 1/2 43 2 1/2	Maple E ⁹	Trp Pk Dby	85-19	My Mac, Caveat, Blink	11
29Dec82-9Crc	7f :22 :45 1:253ft	*2-5 119	65 57 1/2 37 1/2 35 1/2	Brumfield D ²	Aw20000	83-17	Gn'IPrcttnr,Morgnmorgnmrgn,Cvt	7
27Nov82-8Lrl	1 1/8 :47 1:13 1:451ft	*1 122	86 64 1/2 21 31 1/2	MplE ⁴	S Maryland Juv	81-26	DixielndBnd,DeputedTestmony,Cvt	9
20Nov82-8CD	1 1/8 :50 1:14 1:47 sy	7-5 122	43 33 32 36	Maple E ³	Jcky Club	67-26	Highland Park,CoaxMeMatt,Caveat	5
25Oct82-8Aqu	1 1/8 :50 1:16 1:573sf	*3-2 122	87 62 2hd 2hd	Maple E ¹	Pilgrim	56-56	Fortnightly,Cavet,DomintingDooley	8
16Oct82-7Kee	1 1/8 :47 1:11 1:433ft	2 121	84 1/2 63 1/2 1hd 2no	Maple E ²	Brdrs' Fut	88-17	HighlandPark,Caveat,BrightBaron	12
7Oct82-8Bel	1 1/8 :47 1:11 1:42 fm	2 1/2 117	53 31 1/2 1 1/2 12	Maple E ¹	Prince John	86-14	Caveat, Fortnightly, Nivernay	7
10Sep82-9Bel	1 :46 1:11 1:35 fm	*9-5 119	64 41 2 1/2 1no	Maple E ⁷	Aw20000	90-12	Caveat,LoverBoyLeslie,ElCubanso	11
10Aug82-9Sar	1 :50 1:15 1:404yl	*2 118	85 1/2 2hd 14 19	Maple E ⁴	Mdn	72-28	Caveat, Sobieski, So Intent	10
16Jly82-4Bel	7f :23 1:46 1:252fm	3 1/2 118	41 1/2 43 1/2 2 1/2 2nk	Bailey J D ⁶	Mdn	77-18	Bartow, Caveat, Upper Court	12
9Jly82-4Bel	6f :22 :46 1:113ft	4e 118	1 1/2 41 1/2 68 1/2 614	Maple E ¹	Mdn	70-22	CthdrlAsl,DomntngDly,NghtTmBg	11
18Jun82-4Bel	5f :22 :46 1:591ft	2 1/2 118	54 1/2 53 1/2 53 56	Cordero A Jr ⁷	Mdn	92-15	PrimitivePlesure,CthdrlAisl,Lutyns	8

May 5 CD 4f ft :49 3 b

Apr 28 CD 4f ft :51 b

Apr 23 Bel 6f ft 1:11 4 h

Apr 13 OP 4f sy :47 4 h

The chart of the race was as follows:

109th Kentucky Derby

EIGHTH RACE
Churchill
MAY 7, 1983

1 ¼ MILES. (1.592%) 109th Running KENTUCKY DERBY (Grade I). Purse \$250,000 added. 3-year-olds. By subscription of \$200 each. All nomination fees to the winner, \$5,000 to pass the entry box, \$5,000 additional to start, with \$250,000 added of which \$60,000 to second, \$30,000 to third and \$15,000 to fourth (to be divided equally in the event of a dead heat). Weight 126 lbs. Starters to be named through the entry box Thursday, May 5, at usual time of closing. The

maximum number of starters for the Kentucky Derby will be limited to twenty. In the event more than twenty entries pass through the entry box at the time of closing, the twenty starters and up to eight also eligibles will be determined at that time with preference given to those horses that have accumulated the highest earnings. Should any entry be withdrawn from the starting field prior to 4 p.m. scratch time, Friday, May 6, vacancies will be filled from the also eligible list and placed in the outside post positions in order of preference. For those that pass the entry box and are eliminated under this condition the entry fee will be refunded. Gold trophy to the winning owner. Closed with 405 nominations Tuesday, February 15, 1983. Value of race \$531,000, value to winner \$426,000, second \$60,000, third \$30,000, fourth \$15,000. Mutuel pool \$5,546,977.

Last Raced	Horse	Eqt.	A.Wt	PP	¼	½	¾	1 - Str	Fin	Jockey	Odds \$1		
16Apr83 9OP1	Sunny's Halo		3	126	10	2hd	2½	1½	1hd	1½	12	Delahoussaye E	2.50
28Apr83 7Kee2	Desert Wine		3	126	5	31½	33	3hd	21½	22½	2nk	McCarron C J	15.90
30Apr83 9CD1	Caveat	b	3	126	20	162½	171½	151	11hd	71½	31	Pincay L Jr	b-6.70
23Apr83 8Aqu1	Slew O' Gold		3	126	1	7½	72	62	7hd	3hd	4nk	Cordero A Jr	10.10
28Apr83 7Kee4	Marfa	b	3	126	18	13½	142	141½	81	41½	51	Velasquez J	a-2.40
28Apr83 7Kee1	Play Fellow	b	3	126	2	112	10hd	10½	61	5½	62	Cruguet J	10.90
30Apr83 9CD3	Pax In Bello		3	126	14	8hd	91½	8½	91½	6hd	7hd	Fell J	24.40
23Apr83 7Aqu2	Country Pine		3	126	7	121	121½	111½	10½	92½	82½	Venezia M	47.40
16Apr83 9OP7	Balboa Native	b	3	126	3	19½	16hd	181	181½	14hd	9nk	Hawley S	a-2.40
23Apr83 7GG1	Paris Prince	b	3	126	16	91½	8hd	71	51	81½	102	Lipham T	f-10.90
2Apr83 10Hia1	Current Hope		3	126	12	18½	20	19hd	171	101½	11nk	Solis A	18.30
30Apr83 9CD5	Chumming		3	126	4	20	181	20	191	132	12nk	Maple E	b-6.70
28Apr83 7Kee5	Freezing Rain		3	126	8	172	19½	171	161½	162½	13hd	Gavidia W	c-23.50
16Apr83 9OP5	My Mac	b	3	126	15	14hd	153	161	15hd	11½	144	MacBeth D	f-10.90
23Apr83 9LaD1	Explosive Wagon		3	126	11	10hd	111½	121	142	152	151	Mueller C	f-10.90
23Apr83 8Aqu2	Parfaitement		3	126	13	61½	61	5½	4½	12½	162	McCauley W H	41.20
28Apr83 7Kee7	Highland Park	b	3	126	19	5hd	52	41½	31½	171	17hd	Brumfield D	c-23.50
30Apr83 9CD7	Luv A Libra		3	126	17	4hd	4hd	91	121	196	182	Espinoza J C	f-10.90
13Apr83 1Aqu2	Law Talk		3	126	6	152	13hd	131	131	181½	1915	Marquez C	f-10.90
30Apr83 9CD2	Total Departure		3	126	9	1½	11½	21	20	20	20	Valenzuela P A	a-2.40

a-Coupled: Marfa, Balboa Native and Total Departure; b-Caveat and Chumming; c-Freezing Rain and Highland Park. f-Mutuel field.

OFF AT 5:40. Start good, Won driving. Time, :23¾, :47½, 1:11¼, 1:36¾, 2:02½ Track fast.

\$2 Mutuel Prices:	8-SUNNY'S HALO	7.00	4.80	4.00
	6-DESERT WINE		12.20	9.80
	2-CAVEAT (b-entry)			5.20

Ch. c, by Halo—Mostly Sunny, by Sunny. Trainer Cross David C Jr. Bred by Foster D J (Ont-C).

SUNNY'S HALO, rating kindly from the beginning, assumed command on his own courage in the backstretch, drew away from DESERT WINE under a hand ride in the upper stretch and maintained his margin under steady right-hand urging the final furlong. DESERT WINE stalked SUNNY'S HALO from the outside, could not stay with SUNNY'S HALO after drawing on even terms with him just before the quarter-pole, but continued resolutely under left-hand urging and held off CAVEAT's late bid for the place. CAVEAT, taken in hand and eased toward the inside for a saving of ground after the start, was forced extremely wide rallying around CURRENT HOPE into the stretch and closed steadily in a very good effort. SLEW O' GOLD, bothered slightly by PLAY FELLOW at the start, saved ground most of the way and bested MARFA in a duel with that rival through the homestretch. MARFA relaxed outside horses off of the pace, maintained a straight course under a left-hand whip in the stretch drive and lacked a sufficient response. PLAY FELLOW, in good position behind the first flight, was hanging when jockey Cruguet misjudged the finish line and rose for a stride at the sixteenth marker, and finished out evenly. PAX IN BELLO had a clear run at the leaders along the rail for the drive and failed to respond. COUNTRY PINE gave an even effort. BALBOA NATIVE made up some ground belatedly. PARIS PRINCE stayed outside rivals and tired. CURRENT HOPE was steered very wide for the stretch run. CHUMMING gave a dull effort. FREEZING RAIN was not a serious factor. MY MAC was outrun. EXPLOSIVE WAGON tired. PARFAITEMENT lost ground outside the first flight and faltered. HIGHLAND PARK stayed outside SUNNY'S HALO and DESERT WINE into the final turn before giving way. LUV A LIBRA was used up early. LAW TALK showed nothing. TOTAL DEPARTURE, brushed by SUNNY'S HALO at the start, stopped after going three-quarters in a race remarkably free of trouble for the size of the field.

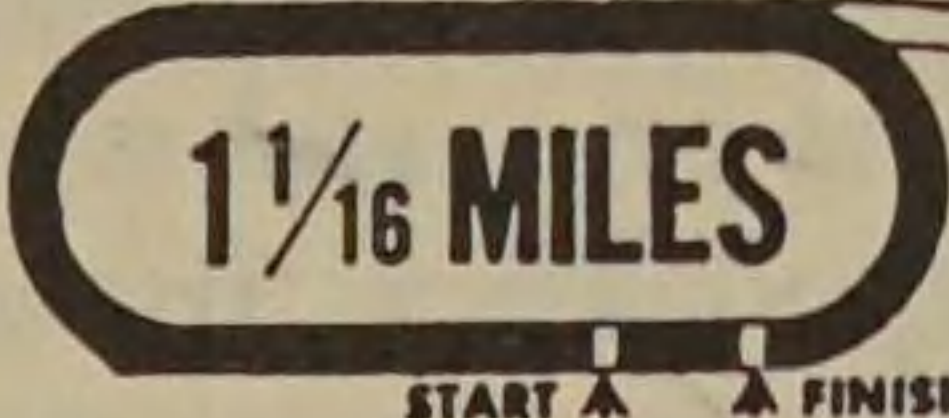
Owners— 1, D J Foster Racing Stable; 2, Cardiff Stud & T 90 Ranch; 3, Belmont A et al; 4, Equusequity Stable; 5, Beal & French Jr & Lukas; 6, Vanier Nancy & Lauer & Victor; 7, Willcox Mrs A A; 8, Galbreath D M; 9, Spreen R H; 10, Green Dolly; 11, Baker & Kaskel; 12, Hickory Tree Stable; 13, Bwamazon Farm; 14, Aronow Stable; 15, McReynolds Peggy; 16, Daney Mrs Bernard; 17, Bwamazon Farm & Jones; 18, DeCosta Vivian & Yagoda; 19, Buckram Oak Farm; 20, Rebalot Stable.

Delahoussaye ran a perfect race with Sunny's Halo and beat the fading Desert Wine by two lengths. Sunny's Halo won the \$426,000 first prize and racing immortality. It was a great day for trainer Cross and the owner, Toronto stockbroker Pud Foster. Mrs. Cross won \$20,000 on her bet. Desert Wine held on for second, just edging out the late-charging Caveat and Slew O' Gold. Marfa had a charge at the mile pole but was unable to challenge the leaders. He was never a factor in the race. It is interesting that the top five finishers were ridden by the top five jockeys listed in Table 12.1. The three California leaders, Pincay, McCarron, and Delahoussaye, finished three-two-one. Delahoussaye had turned in a rare double, complementing his win in 1982 with Gato Del Sol. He also had a second on the 34—1 shot Woodhopper in 1981. Sunny's Halo paid a handsome \$4.00 to show, so our bet of \$87 was doubled. With my \$50 win bet subtracted, our profit was \$37.

It Was Never like This in Louisiana

The ninth race was a $1\frac{1}{16}$ -mile claiming race for four-year-olds and upward for a purse of \$10,000. The field of eight horses included the entry of Dust Off the Mat and Broadway Review. Although Sway, Sorroto, and Major Run were the top choices, the field was wide open. The remaining starters, Bal Bay, Davrick, and Bell Swinger, as well as the entry, looked like tough competition. The extent of the competition and the evenness of the field were borne out by the fact that the morning-line odds varied only within the narrow range of 5—2 to 8—1.

Sway appealed to me. He had won the most money per career start; was recently claimed twice; had finished second in his last start at this distance, running against \$50,000 claimers who were superior to today's \$35,000 claimers; and he was a very consistent horse, having finished in the money in his last eleven starts and twenty-seven times out of thirty-two career starts. Although consistent, his speed ratings were not really superior to his competition. For example, at Keeneland both Broadway Review and Sorroto had recently run 85s at today's distance, while Sway's second at Oaklawn Park was an 82. It is, of course, difficult to compare speed ratings across days and tracks, but the message was clear: Sway looked good and he liked to be in there close, but I would bet only if the odds were good. They were.



CLAIMING
PURSE \$10,000

WIN	PLACE	SHOW

9

FOUR-YEAR-OLDS AND UPWARD, 123 lbs. Non-winners of two races at a mile or over since March 7 allowed 2 lbs.; one such race since April 7, 4 lbs.; two such races since January 7, 6 lbs. Claiming Price, \$35,000; for each \$1,000 to \$30,000, 1 lb. (Races where entered for \$27,500 or less not considered.)

Track Record—YES SIR (5) 110 lbs.; 1:41³/₅; Nov. 25, 1970

↓

MAKE SELECTION BY NUMBER

OwnerTrainerJockey/Morn. Line

1	GEORGE A. ZIMMERMAN White, Blue Sash, White Chevrons on Blue Sleeves White Cap DUST OFF THE MAT 121 B.g.(1979), Run Dusty Run—Somersault	JAMES E. MORGAN WILLIAM GAVIDIA (Post Pos. 2) \$35,000	4
1a	MRS. W. L. LYONS BROWN Turquoise and White Quarters, Turquoise Band on White Sleeves, Turquoise Cap BROADWAY REVIEW 121 Ch.c.(1978), Reviewer—Veroushka	JAMES E. MORGAN WILLIAM GAVIDIA (Post Pos. 8) \$35,000	4
2	FARID SEFA Red, Yellow "S" Red Cap BAL BAY 117 B.g.(1975), Vertex—Marsh Harbour	LARRY D. EDWARDS DON BRUMFIELD (Post Pos. 1) \$35,000	5
3	GOLDEN CHANCE FARM (Verna Lehmann) Gold, Red "GCF," Red Chevron on Sleeves, Gold Cap MAJOR RUN 117 B.g.(1977), Lt. Stevens—Running Beauty	W. E. ADAMS GERLAND GALLITANO (Post Pos. 3) \$35,000	8
4	DONAMIRE FARM (Don Ball) White, Black Circled "DM," Black Yoke, White Bars on Black Sleeves, White Cap SORROTO 117 Dk.b. or br.h.(1977), Going Straight—Jeroy	MIKE BALL JULIO ESPINOZA (Post Pos. 4) \$35,000	7-2
5	W. C. PARTEE Orange, White Dots Orange Cap SWAY 117 Ch.g.(1977), High Tribute—Miss Sway	LYNN WHITING GARTH PATTERSON (Post Pos. 5) \$35,000	5-2
6	HERVE RACEVITCH Orange, Black Sash Black Cap DAVRICK 117 Ch.g.(1979), Groshawk—Tally	JUDITH ZOUCK LEROY MOYERS (Post Pos. 6) \$35,000	8
7	A. J. FOYT, JR. Orange, White "AJ," Black Blocks on White Sleeves Orange Cap BELL SWINGER 117 Ch.h.(1978), His Majesty—Brilliant Thought	A. J. FOYT III LARRY MELANCON (Post Pos. 7) \$35,000	5

1 and 1a—GEORGE A. ZIMMERMAN—MRS. W. L. LYONS BROWN Entry

Selections 5—4—1a—2

Sway was made an 8—5 favorite, and the tote board read as follows:

	Totals	#5 Sway	Expected Value per Dollar Bet on Sway
With five minutes to post time			
Odds		8—5	
Win	263,172	82,933	
Show	78,790	18,477	1.10
With one minute to post time			
Odds		8—5	
Win	309,244	87,900	
Show	96,649	20,194	1.11

With our betting fortune of \$1,531.70, we bet \$91 on Sway to show.

	Totals	#5 Sway	Expected Value per Dollar Bet on Sway
At post time			
Odds		8—5	
Win	328,700	94,398	
Show	102,009	22,468	1.09

Derby Day brings out individuals of many types searching for a day of excitement, some fun, and (hopefully) some winnings. Many want to make a big killing. Close to where we were standing, a fellow from Louisiana was talking about his troubles that day. Going into the ninth race he was about \$5,000 behind in his bets. The entry of Dust Off the Mat and Broadway Review at 5—2 looked like it would get him even with a \$2,000 win bet. With two good horses, it seemed to be a good bet, so he made it. Things looked good for him when Broadway Review, number 1A, crossed the finish line first. Unfortunately for the man from Louisiana, Don Brumfield, the jockey on the second-place finisher, Bal Bay, claimed foul, and the claim was allowed. It was the second time that day a winner had been disqualified, and he complained that he had had both of them. This reversal did not sit well with the man from Louisiana, who saw his big gain back to even go up in smoke. He rushed out of the track quite angry over his \$7,000 loss on the day, yelling that the races were fixed in Kentucky and vowing to never return.

Sway did manage to take third and pay \$2.80 for show, so we won our Dr. Z system bet. The chart of the race was as follows:

NINTH RACE Churchill

MAY 7, 1983

1 $\frac{1}{8}$ MILES. (1.41 $\frac{1}{2}$) CLAIMING. Purse \$10,000. 4-year-olds and upward. Weight, 123 lbs. Non-winners of two races at a mile or over since March 7 allowed 2 lbs.; one such race since April 7, 4 lbs.; two such races since January 7, 6 lbs. Claiming price, \$35,000; for each \$1,000 to \$30,000 allowed 1 lbs. (Races where entered for \$27,500 or less no considered.)

Value of race \$10,000, value to winner \$6,500, second \$2,000, third \$1,000, fourth \$500. Mutuel pool \$563,224.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	Str	Fin	Jockey	Cl'g Pr	Odds \$1
28Apr83 4Kee1	[D]Broadway Review	5	121	8	8	8	8	8	8	3hd	1hd	Gavidia W	35000	a-2.90
19Mar83 10OP7	Bal Bay	8	117	1	6	54	53	4 $\frac{1}{2}$	52	2hd	2hd	Brumfield D	35000	7.70
16Apr83 50P2	Sway	6	117	5	3	2hd	2 $\frac{1}{2}$	11 $\frac{1}{2}$	1hd	3 $\frac{1}{2}$	3 $\frac{1}{2}$	Patterson G	35000	1.70
19Apr83 8Kee2	Sorroto	b	6	117	4	4	3 $\frac{1}{2}$	32	21 $\frac{1}{2}$	21 $\frac{1}{2}$	41	Espinoza J C	35000	3.60
15Apr83 7Kee3	Bell Swinger	5	117	7	7	73	73	61 $\frac{1}{2}$	41 $\frac{1}{2}$	53	53	Melancon L	35000	8.10
19Apr83 8Kee6	Davrick	b	4	117	6	5	44	42	5 $\frac{1}{2}$	76	62 $\frac{1}{2}$	Moyers L	35000	18.20
26Apr83 4Kee2	Major Run	b	6	117	3	2	1hd	1hd	3 $\frac{1}{2}$	6hd	713	Gallitano G	35000	12.00
19Apr83 8Kee4	Dust Off the Mat	4	121	2	1	61 $\frac{1}{2}$	61 $\frac{1}{2}$	71 $\frac{1}{2}$	8	8	8	McKnight J	35000	a-2.90

[D]-Broadway Review Disqualified and placed second.

a-Coupled: Broadway Review and Dust Off the Mat.

OFF AT 6:50. Start good. Won driving. Time, :25 $\frac{1}{5}$, :49, 1:13 $\frac{2}{5}$, 1:39 $\frac{4}{5}$, 1:46 $\frac{3}{5}$ Track sloppy.

\$2 Mutuel Prices:	2-BAL BAY	17.40	6.40	3.60
	1-BROADWAY REVIEW (a-entry)		4.20	2.80
	5-SWAY			2.80

Bal Bay—B. g, by Vertex—Marsh Harbour, by First Landing. Trainer Edwards Larry D. Bred by Red Oak Farm Inc (Fla).

BROADWAY REVIEW, void of early foot, commenced a rally when set down for the drive, cut over on BAL BAY near the eighth pole, drew clear briefly but was all out to withstand BAL BAY at the wire. Following an objection by the rider of BAL BAY for interference in the stretch run, BROADWAY REVIEW was disqualified and placed second. BAL BAY, allowed to settle, challenged when set down for the drive, was bothered by BROADWAY REVIEW in midstretch but recovered to come again and just missed. SWAY pressed the early pace, took clear command approaching the lane but could not withstand the top two. SORROTO, well placed early, had no late rally. DAVRICK had brief speed. MAJOR RUN made the early pace and gave way. DUST OFF THE MAT tired after a half.

Owners— 1, Brown Mrs W L Lyons; 2, Sefa F; 3, Partee W C; 4, Donamire Farm; 5, Foyt A J Jr; 6, Racevitch H; 7, Golden Chance Farm; 8, Zimmerman G A.

Corrected weight: Broadway Review 121 pounds; Dust Off the Mat 121.

Derby Day again was an excellent day for us. We made nine Dr. Z system bets, all to show, in eight races, and all but one finished in the money to win for us. Taking into account the \$50 loss on our win bets on the Derby, our \$1,000 initial stake grew to \$1,568. Typically, on an average day at the track, there are two to four Dr. Z system bets. In some cases, there are as few as one or even none. Over the three years on Derby Day we had five, five, and now nine Dr. Z system bets. The reason for the large number of Dr. Z system bets was likely due to the massive crowd and the many rich visitors who were, as usual, looking for the big killing and felt it to be in the win pools. Their betting behavior led to a substantial opportunity for good profits by Dr. Z system bettors. We were also using a fairly risky cutoff of 1.10 to reflect the very high quality of horses running on Derby Day.

Betting on Favorites



Betting to Win May Be Profitable with Good Handicapping

In Chapter Three we presented considerable evidence that favorites are underbet to win by about 7% (see Tables 3.1 and 3.5 and Figures 3.1 and 3.2). Thus if the track take is 15%, as it is at Santa Anita, then the strategy of betting all favorites to win would likely lose about 8%, plus breakage of about 3% (with Santa Anita's 10¢ breakage), for a total loss of about 11%. Presumably, good handicapping would eliminate some of the losers and also horses that are poor bets (that is, those going off at lower odds than their chance of winning), so a modified system would actually achieve profits. Since it is not our intention in this book to discuss handicapping methods in detail (although some hints appear in Chapters Fourteen and Sixteen), we will not pursue this possibility here either. But we mention it here for those readers who are skilled in handicapping and who wish to develop such procedures. We now turn our attention to place and show betting on the favorite.

Betting the Favorite to Place or Show

An interesting and easy strategy to follow is always to bet the favorite of the crowd to place or show. Generally, this will be a *losing* strategy. As with win bets, the favorites are underbet, so the actual average loss will generally be about 5%–10% less than the track take plus breakage. However, if you restrict your bets to horses that have good *odds* for place or show, then it can be a winning strategy.

Table 13.1 provides details on such bets over 1,080 races, on 120 days

TABLE 13.1 *Rate of return versus expected value for favored horses in 1,080 races on 120 days in 1981/82 at Keystone Race Track, Bensalem, Pennsylvania*

Expected Value of a \$1 Bet ^a	Place		Show			Total Number of Bets	Rate of Return (%)	Total Profit (\$)	Rate of Return (%)
	Number of Bets ^b	Total Profit (\$)	Rate of Return (%)	Number ^b of Bets	Total Profit (\$)				
0.85 or less	104	-39.60	-38.1	9	-3.40	113	-37.8	-43.00	-38.1
0.86-0.90	175	-30.70	-17.5	44	-14.20	219	-32.3	-44.90	-20.5
0.91-0.95	264	-59.90	-22.7	131	-23.70	395	-18.8	-83.60	-21.2
0.96-1.00	219	1.50	+0.7	252	-28.05	471	-11.1	-26.55	-5.6
1.01-1.05	151	-15.70	-10.4	214	-17.70	365	-8.3	-33.40	-9.2
1.06-1.10	80	-4.40	-5.5	188	-30.80	268	-11.1	-25.20	-9.4
1.11-1.17	44	-1.50	-3.4	129	-5.30	173	-4.1	-6.80	-3.9
1.18-1.20	15	7.50	+50.5	33	3.50	48	+10.6	+11.00	+22.9
1.21-1.25	16	-2.40	-15.0	35	7.60	51	+21.7	+5.20	+10.2
1.26-1.30	8	3.70	+46.3	20	10.80	28	+54.0	+14.50	+51.9
1.31-1.35	—	—	—	9	-3.00	9	-33.3	-3.00	-33.3
1.36-1.40	1	1.40	+140.4	5	3.60	6	+72.0	+5.00	+83.3
1.41-1.45	—	—	—	3	3.80	3	+126.7	+3.80	+126.7
1.46 or more	1	-1.00	-100.0	3	2.90	4	+36.7	+1.90	+47.5
Totals	1,078	-141.1	-13.1	1,075	-83.95	2,153	-7.8	-225.05	-10.5
Summary									
1.00 or less	762	-128.7	-16.9	436	-69.35	1,198	-15.9	-198.05	-16.5
1.01-1.17	275	-21.60	-7.9	531	-43.80	806	-8.3	-65.40	-8.1
1.18 or more	41	9.20	22.4	108	29.20	149	27.0	38.40	25.8

^aComputed using the Exhibition Park regression equations (4.3) and (4.4).
^bData were unavailable for a few races, so the total number of races is slightly less than 1,080.

from September 13 to December 13, 1981, and February 8 to March 27, 1982, at Keystone Race Track in Bensalem, Pennsylvania. These data were generously supplied to us by Jerry Rosenwald of Havertown, Pennsylvania. The favorite to win is determined for each race. Then using the Exhibition Park regression equations (4.3) and (4.4), the expected value of a \$1 bet to place and show is estimated, based on the final tote board values. These are categorized as 0.85 or less, 0.86–0.9, and so on, all the way to 1.40–1.45, and 1.46 or more. Recall that 1.40 means that one expects to receive \$1.40, or 40¢ profit for each dollar wagered according to these formulas.

The table shows that if you make place or show bets on horses with an expected value of 1.00 or less, you will have losses of about 16.5%. Since Keystone is in Pennsylvania, its track take is 17%. Keystone's 5¢ breakage—that is, their rounding down to the nearest 10¢ on each \$2 bet—amounts to about another 1.5% for favorites. Thus bets on favored horses with an expected value of 1.00 or less gain about 2% ($18.5\% - 16.5\%$) above the average bet made by the crowd. Bets on horses with an expected value between 1.01 and 1.17 lose about 8%, or are about 10.5% ($18.5\% - 8\%$) better than chance. Betting on every favorite results in losses of 13.1% to place and 7.8% to show, or an average of 10.5%. This is an improvement of about 8% ($18.5\% - 10.5\%$) over chance. Thus the underbetting-of-favorites bias for place and show betting is similar to that for win bets.

If, however, you stick to place and show bets where the expected value is 1.18 or more, then you can make substantial *profits*. Indeed, over this 120-day racing period, there were forty-one such place bets that returned an average profit of 22.4% and 107 show bets that returned an average profit of 27.0%. In total, the 149 bets returned an average profit of 25.8%. The value of 1.18 for the cutoff maximizes total profits; this value is typical for a “medium-quality” track such as Keystone.

Notice that bets are not placed on each race. In fact, only one or two bets of this type are made on a typical day. The horses bet on are all favorites; thus they will be coming in the money about 60%–70% of the time. This strategy is a very safe, conservative approach, and you do not need a large fortune to make relatively sizable bets. Of course, these extra bets would depress the odds to place and show slightly, so actual winnings would be a little less than the 25.8% profit rate. For example, starting with a bankroll of \$1,500 and making bets of \$250 on each of these horses would result in a profit of about $(\$250)(149)(0.258) = \$9,610$. This is a handsome profit, considering that you are taking very little risk. In fact, the chance of ever losing the \$1,500 during an entire season of betting is only about 4% if we assume that favorites are in the money about 65% of the time.* That

*As experts in probability theory will note, this value is obtained by summing the binomial probabilities that consider all the possible sequences of wins and losses that lead to ruin.

The \$250 we just cited is a typical betting amount for a serious application of such a system. Individuals might wish to bet more or less in each race. The more you bet, the larger your total profits will tend to be. However, because large bets will reduce the payoff in a parimutuel system, the individual payoffs per dollar bet will decrease and the risk of losing your bankroll will increase.

*Betting Extreme Favorites: The Ballerina,
Exhibition Park, October 11, 1982*

The eighth running of The Ballerina, a \$50,000 added feature race at Exhibition Park on October 11, 1982, provides such an example. The field of eleven contained two long-shot entries and a large group of strong horses. Davette was a late scratch. The invader from Longacres in Renton, Washington, Belle of Rainier, completely outclassed the field. Belle of Rainier had twelve wins and fifteen in-the-money finishes in eighteen career races against very high caliber competition. His advantageous post position, number 1, and the reliability of his steady jockey, D. Sorensen, seemed to overcome his high weight assignment of 126 pounds. Belle of Rainier was the top pick of all the *Daily Racing Form's* experts. He was the day's best bet of four of the five experts and the consensus best bet with a rating of 33 out of a possible 35.

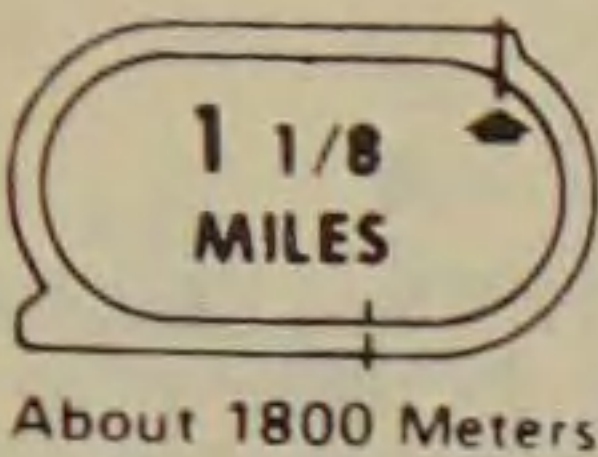


EXPERTS' SELECTIONS

Consensus Points: 5 for 1st (best 7), 2 for 2d, 1 for 3d. Best in CAPITALS.

Trackman, Tim Toon		EXHIBITION PARK			Selections Made for Fast Track	
RACE	TRACKMAN	HERMIS	HANDICAP	ANALYST	SWEEP	CONSENSUS
9	BELLE OF RAINIER Okan Dee Select Brief Grief	BELLE OF RAINIER Okan Dee Select Miss Zulu Gold	BELLE OF RAINIER Au Printemps Okan Dee Select	BELLE OF RAINIER Okan Dee Select Au Printemps	Belle of Rainier Indellare Miss Zulu Gold	BELLE OF RAINIER Okan Dee Select Au Printemps

9



EXACTOR FEATURE
SWEEP SIX F

THE 8th RUNNING OF "THE BALLERINA" — \$50,000-added. A handicap for fillies and mares three-year-olds and upward, by subscription of \$100 each, \$300 to pass the entry wicket and \$100 to start. With \$50,000 added of which \$31,500 to the winner, \$10,000 to second, \$5,000 to third, \$2,500 to fourth and \$1,000 to fifth. All nomination, entry and starting fees to be divided: 70% to the winner, 20% to second and 10% to third. Weights to be announced Monday, October 4th. Starters to be named through the entry wicket Friday, October 8th by 8:30 a.m. Closed with 11 nominations.

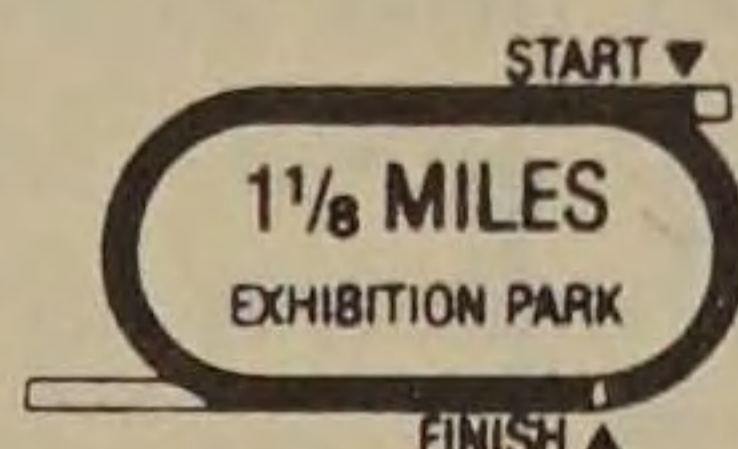
ASK FOR HORSE BY THIS NUMBER	OWNER	TRAINER	Post Position Jockey Morning Line
1	Irene Reed Blue, gold trim, "MIR" on back DREAM DISTURBER Ch m 6. Winning Shot—Seldom Dreams	Pat Jarvis 112	P.P. 2 Joel Mena 30
1A	Mr. & Mrs. A. Jarvis Lilac, green trim, "J" on back DAVETTE Roan f 4. No Back Talk—Yukon Belle	A. Jarvis 113	P.P. 4 D. J. Zook 30
2	M. & W. Bowes & F. Reichelt Green, gold trim, gold sash front & back CHEMAINUS BELLE Roan f 4. Keep Your Promise—Satin Sue	W. Bowes 113	P.P. 3 Danny Williams 30
2B	Norland Stable Green, yellow & orange hoops BLUSHING MINSTREL Dk b/br f 4. Borrower—Taos Trail	E. Sams 112	P.P. 12 Ray Creighton 30
3	Al Benton Royal blue, white V front and back BELLE OF RAINIER Ro f 3. Windy Tide—Lap Wing	William Findlay 126	P.P. 1 Danny Sorenson 8/5
4	Tri Star Stable, Bowie & D. Bowman Red, gold trim, 3 stars on back AU PRINTEMPS B f 3. Dancing Champ—*Lorgnette II	D. Forster 116	P.P. 5 Brian Johnson 8
5	Mrs. B. Dahl Light & dark blue vertical stripes OKAN DEE SELECT Dk b/br f 3. Docile Boy—Marnie Dee	B. Dahl 120	P.P. 6 Mark Patzer 6
6	B.C. Interior Stock Farm Yellow, black diamonds, "BCI" on back & sleeves CINDERS SHADOW Dk b/br m 6. Ship Leave—Shy Shadow	Frank Barroby 116	P.P. 7 Joan Phipps 6
7	J. Diamond Blue, white diamonds on back & sleeves SALT TREATY B f 4. Bold Reason—Gay Gusher	H. Johnson 112	P.P. 8 Chad Hoverson 20
8	Elmbrook Stables Yellow, green trim, emblem on back INDELLARE B f 4. Indefatigable—Emellare	A. May 119	P.P. 9 Chris Loseth 12
9	Poor Four Stable White, red flames, emblem on back MISS ZULU GOLD Ch f 3. Zulu Tom—Norm's Choice	H. Belvoir 117	P.P. 10 Sam Krasner 6
10	Connie Guindon All red BRIEF GRIEF Ch m 5. Sandy Fleet—Good Grief Mama	T. Taylor 120	P.P. 11 Victor Mercado 8

No. 1 & 1A—Dream Disturber and Davette, coupled

No. 2 & 2B—Chemainus Belle and Blushing Minstrel, coupled

DECLARED — Lady Of York

9th Exhibition



1 1/8 MILES. (1.4875) 8th Running THE BALLERINA HANDICAP. \$50,000 Added. Fillies and Mares, 3-year-olds and upward. By subscription of \$100 each, \$300 to pass the entry wicket and \$100 to start. With \$50,000 added of which \$31,500 to the winner, \$10,000 to second, \$5,000 to third, \$2,500 to fourth and \$1,000 to fifth. All nomination entry and starting fees to be divided 70% to the winner, 20% to second and 10% to third.

Belle of Rainier *

Own.—Benton A

126

Ro. f. 3, by Windy Tide—Lap Wing, by Donut King

Br.—Benton A (Wash)

Tr.—Findlay William A

1982 9 6 0 0 \$132,615

1981 9 6 2 1 \$142,066

Lifetime 18 12 2 1 \$274,581

26Sep82-9Lga	1 3/8 :48	1:14 1:20 1:41	*1 121	13 1/2 12	13 1/2 12	SrnsD6	ⓅB Roberts H	61 Belle of Rainier, Gi Gi, Latrone	14
4Sep82-9EP	1 1/8 :47 1/4	1:13 1:46 2m	*3-4 127	11 11 1/2	11 1/2 13	SrnsD1	ⓅSenorita H	79 BillofRnr,APrntmps,Chftn'sCmmnd	9
29Aug82-9Lga	1 1/8 :46 1/4	1:10 1:49 2ft	*3-4 124	11 1/2 2nd	13 14	SrnsD1	ⓅSacajawea H	86 BellofRinir,OknDSlct,MissZuluGold	6
15Aug82-9Lga	1 3/8 :46 3/4	1:11 1:58 1ft	4 118	2nd 1 1/2	45 1/2 51 1/2	SrnsD6	Lga Derby H	68 Cassaleria,FlyingJudgement,GIarry	9
31Jly82-9Lga	1 1/8 :46 1/4	1:11 1:43 4ft	*2-3 123	13 1/2 13	12 12 1/2	SrnsD8	ⓅM Donohoe	80 BellofRinir,OknDSlct,NoMorLmons	9
10Jly82-9Lga	1 :45 3/4	1:10 1:34 4ft	*2-3 120	11 1/2 12	13 15 1/2	SrnsD2	ⓅB. Ross H	95 BillofRnr,NoMorLmons,MssZulGold	9
19Jun82-9Lga	6 1/2 f :21 3/4	:44 3/4 1:16 4ft	*3-5 123	54 3/4 55	66 1/2 42 1/2	SrnsD8	ⓅMs Stakes	82 NoMorLmons,EsyTrmph,SddnWnds	8
22May82-9Lga	6 f :22	:45 1:09 2ft	*4-5 120	22 21 1/2	1 1/2 15	SrnsD1	ⓅIngenue H	89 BellofRinir,NoMorLmons,RoyITurn	6
28Apr82-9Lga	5 1/2 f :21 3/4	:45 2 1:05 gd	*3-5 118	2nd 1 1/2	2nd 66 3/4	SrnsD8	ⓅSeafair	80 MssZuluGold,HYululu,BroomBby	12
30Oct81-8BM	6 f :22	:47 1:10 3ft	*4-5 120	23 21 1/2	2nd 13	SrnsD3	ⓅBurlingame	87 BellofRinir,GoldnPlum,AuPrintmps	9

Dream Disturber *

Own.—Reed Mrs I

112

Ch. m. 6, by Winning Shot—Seldom Dreams, by Mr Mustard

Br.—O'Connor H R (BC-C)

Tr.—Jarvis Pat

1982 11 2 0 0 \$11,853

1981 13 2 4 2 \$20,271

Lifetime 45 11 5 5 \$50,890

20Oct82-8EP	1 1/8 :47 1/4	1:14 3/4 1:48 m	2 1/2 114	34 45	36 1/2 46 1/4	JohnsnBG5	ⓅAw10000	65 LdyofYork,BlushingMinstrel,Indellr	8
17Sep82-9EP	1 1/8 :47	1:12 1:45 2ft	*3-2 113	1hd 12 1/2	12 1/2 12 1/2	Johnson B G1	Ⓟ40000	84 DrmDisturbr,DncingProud,BonnLos	7
27Aug82-7EP	6 1/2 f :22 1/4	:45 3/4 1:16 3ft	6 1/2 113	67 3/4 63 1/4	12 18	Johnson B G2	Ⓟ32000	95 DrmDisturbr,Ldd'sLss,MdmSplndor	7
13Aug82-9EP	6 1/2 f :22 3/4	:46 1:19 4m	21 110 5	71 2 71 5	51 2 45 1/2	Adcock T7	Ⓟ32000	73 CrftyMdm,MdmSplndor,WdmntClr	7
23Jly82-9EP	1 1/8 :48	1:13 1:45 3ft	17 109 5	31 1/2 62 1/2	75 3/4 57 3/4	Adcock T4	Ⓟ32000	75 Bonnie Lois,Tru Talk,Struckup	9
18Jun82-9Lga	1 1/8 :47	1:12 1:44 4ft	16 117	47 86 1/4	79 61 7	Loeth C1	ⓅAw8800	58 ThreeMisses,TniMoro,EsterFredom	8
12Jun82-9Lga	1 1/8 :47	1:12 1:45 1ft	34 116	49 65 3/4	45 56 1/4	Loeth C2	ⓅAw11000	67 LovelyWine,PrunePickr,ConniCoco	8
31May82-7Lga	1 1/8 :48 1/4	1:13 1:44 3ft	16 113	45 1/2 42	57 71 2	Frazier B6	ⓅAw11200	64 Bbe'sJoy,ConnieCoco,PrunePicker	7
26May82-9Lga	6 1/2 f :22	:45 3/4 1:17 1ft	32 117	76 88 1/2	78 3/4 71 3	Frazier B1	ⓅAw7200	70 Shoot It Out,Serageous,TaniMoro	8
5May82-9Lga	6 f :22	:45 3/4 1:09 3ft	14 117	85 3/4 67	67 3/4 61 0	Baze M B9	ⓅAw9000	78 Mondolu,GoldRunLdy,Blw'sLittlSis	9
Sep 28 EP	4f ft :49 h			Sep 16 EP	3f ft :36 2 b			Sep 7 EP	4f ft :48 1 h

Chemainus Belle

Own.—Bowes M & W & Reichelt

113

Ro. f. 4, by Keep Your Promise—Satin Sue, by Roman Note

Br.—Reichelt Faye L (BC-C)

Tr.—Bowes Wilf A

1982 9 1 0 2 \$13,465

1981 13 2 2 2 \$12,306

Lifetime 31 3 4 5 \$29,205

19Sep82-8Lga	1 :45 3/4	1:10 3/4 1:36 4ft	75 120	57 54	57 35 1/2	HoversonC9	ⓅAw12000	79 Flmme,ExpressSuccss,ChminusBll	10
12Sep82-9Lga	1 1/8 :47 1/4	1:12 3/4 1:52 4sy	44 116	68 111 1/2	123 3/4 122 1/2	Hoverson C5	ⓅAiki H	48 BriefGrief,ExprssSuccss,Mondolu	12
28Aug82-8EP	1 1/8 :47	1:12 1:45 1ft	25 115	68 66 1/4	71 1 71 4	Adcock T2	ⓅAw12000	71 HomeRunGl,Struckup,CindrsShdow	9
31Jly82-9EP	1 1/8 :47	1:11 1:44 2ft	24 113	61 0 67 1/2	71 0 61 1	KplG3	ⓅSWVncouver	78 HomRunGl,CindrsShdow,BonniLois	8
21Jly82-9EP	1 1/8 :47 3/4	1:12 1:45 1ft	14 115	87 86 3/4	69 3/4 61 3	Kipling G2	ⓅAw12000	72 CindersShadow,Dvette,HomeRunGl	8
3Jly82-9EP	1 1/8 :48 1/4	1:13 1:47 3sy	6 1/2 118	88 3/4 99 1/4	81 4 71 4	Kipling G4	ⓅVanity H	59 ThreeLeters,Dvette,CindrsShdow	10
18Jun82-9EP	1 1/8 :46 1/2	1:12 1:46 1ft	27 115	71 2 64 1/2	12 13	KplnG8	ⓅCover Girl H	80 ChmnusBll,MdmoslB,CndrsShdow	9
9Jun82-8EP	1 1/8 :47	1:12 1:46 ft	14 115	61 2 69 1/4	58 1/2 35 1/2	Kipling G6	ⓅAw8000	75 Davette,BonnieLois,CheminusBelle	7
26May82-9EP	6 1/2 f :22 3/4	:46 1:18 3ft	40 115	44 1/2 54	44 1/2 43	Kipling G3	ⓅAw8500	82 JmmedFlight,TrctbleTdrop,Sltrtry	7
26Sep81-7EP	1 1/8 :46 1/4	1:12 3/4 1:52 3ft	80 115	121 0 108 3/4	91 7 91 4	Carter G4	ⓅB. C. Oaks	65 Dvette,JmmedFlight,Michel'sBest	12
Oct 5 EP	6f gd 1:15 2 h			Sep 3 EP	5f ft 1:00 3 h			Aug 27 EP	2f ft :23 4 h
								Aug 23 EP	5f ft 1:03 h

Davette

Own.—Jarvis Mr-Mrs A

113

Ro. f. 4, by No Back Talk—Yukon Belle, by Akimbo

Br.—Jarvis Mr-Mrs A (BC-C)

Tr.—Jarvis Albert

1982 13 1 4 1 \$20,585

1981 15 3 0 1 \$46,910

Lifetime 37 6 8 3 \$100,076

20Oct82-8EP	1 1/8 :47 1/4	1:14 3/4 1:48 m	3 115	2nd 24	58 1/2 81 3	Zook D J1	ⓅAw10000	58 LdyofYork,BlushingMinstrel,Indellr	8
11Sep82-8EP	1 1/8 :47 1/2	1:12 1:46 3m	9 1/2 114	2nd 22	56 1/2 81 0	Zook DJ3	ⓅB Belles H	68 HomeRunGl,CindrsShdow,Sltrtry	10
28Aug82-8EP	1 1/8 :47	1:12 1:45 1ft	8 1/2 115	12 2nd	36 51 2	Zook D J8	ⓅAw12000	73 HomeRunGl,Struckup,CindrsShdow	9
14Aug82-9EP	6 1/2 f :22 3/4	:46 3/4 1:19 4m	8 1/4 116	1hd 1hd	31 1/2 26	Zook D J1	ⓅMilady	73 OknDeeSelect,Dvette,MdmoslB	10
31Jly82-9EP	1 1/8 :47	1:11 1:44 2ft	4 1/2 116	1 1/2 2nd	47 71 1	ZDJ8	ⓅSWVncouver	78 HomRunGl,CindrsShdow,BonniLois	8
21Jly82-9EP	1 1/8 :47 3/4	1:12 1:45 1ft	9 1/2 115	11 12	2 1/2 26	Zook D J6	ⓅAw12000	79 CindersShadow,Dvette,HomeRunGl	8
3Jly82-9EP	1 1/8 :48 1/4	1:13 1:47 3sy	4 114	13 11 1/2	22 1/2 26	Zook D J8	ⓅVanity H	67 ThreeLeters,Dvette,CindrsShdow	10
18Jun82-9EP	1 1/8 :46 1/2	1:12 1:46 1ft	3 1/2 115	13 12	22 55 1/2	ZkDJ5	ⓅCover Girl H	74 ChmnusBll,MdmoslB,CndrsShdow	9
9Jun82-8EP	1 1/8 :47	1:12 1:46 ft	*2 3/4 114	12 14	16 14 1/2	Zook D J7	ⓅAw8000	81 Davette,BonnieLois,CheminusBelle	7
29May82-9EP	1 1/8 :47 1/2	1:13 1:47 2ft	7 1/4 115	31 1/2 41 1/2	61 2 61 6	ZkDJ7	ⓅVancouver H	58 MdemoiselleBeu,SernLdyB,ThrLdrs	7
Sep 30 EP	3f ft :36 2 h			Sep 20 EP	4f ft :51 1 b			Sep 10 EP	2f gd :26 1 b
								Sep 6 EP	4f ft :49 h

Au PrintempsOwn.—Bowie&Bowman&TriStrStble **116**

B. f. 3, by Dancing Champ—Lorgnette II, by High Hat

Br.—Livestock Consultants Inc (Md)

Tr.—Forster Dave

1982 8 3 1 1 \$47,555

1981 8 2 4 1 \$26,108

Lifetime 16 5 5 2 \$73,663

24Sep82-9EP 1 $\frac{1}{8}$:471 1:122 1:52 gd 3 $\frac{3}{4}$ 115 31 $\frac{1}{2}$ 31 $\frac{1}{2}$ 2^{hd} 2^{hd} JhsBG1 ♂B C oaks H 82 †MissZIGld,APrntmps,ChftnsCmnd 8
 24Sep82—Placed first through disqualification

11Sep82-8EP 1 $\frac{1}{8}$:472 1:124 1:46³m 3 $\frac{1}{2}$ 113 32 $\frac{1}{2}$ 43 $\frac{1}{2}$ 915 915 JhsBG1 ♂B Belles H 63 HomeRunGl,CindersShdow,SlTrty 10
 4Sep82-9EP 1 $\frac{1}{8}$:474 1:13 1:46²m 6 $\frac{3}{4}$ 115 53 32 $\frac{1}{2}$ 21 $\frac{1}{2}$ 23 JhsBG9 ♂Senorita H 76 BllofRnr,APrntmps,Chftn'sCmmnd 9
 20Aug82-9EP 1 $\frac{1}{8}$:474 1:13 1:45²ft *2-3e 116 53 $\frac{3}{4}$ 32 1^{hd} 11 WillmsDR7 ♂Aw12000 84 AuPrintmps,MiniChillo,EsyTriumph 7
 4Aug82-9EP 6 $\frac{1}{2}$ f:223 :461 1:174ft *7-5 116 96 $\frac{1}{2}$ 65 44 $\frac{1}{2}$ 37 $\frac{1}{2}$ WllsDR8 ♂QueenChrlo 82 MissZuluGold,LdyCeJy,AuPrintmps9
 24Jly82-3EP 6 $\frac{1}{2}$ f:23 :461 1:171ft 4 $\frac{3}{4}$ 116 43 31 1^{hd} 12 $\frac{1}{2}$ WilliamsDR5 ♂Aw8000 92 AuPrintemps,LdyCeJy,EsyTriumph 7
 23Jun82-8EP 1 $\frac{1}{8}$:471 1:122 1:451ft 2 $\frac{1}{2}$ e 116 53 44 $\frac{1}{2}$ 49 51 $\frac{1}{2}$ WilliamsDR4 ♂Aw7000 73 OkanDeeSelect,HeavyHeart,Cedarly 8
 4Jun82-8EP 6 $\frac{1}{2}$ f:224 :464 1:193ft 2 $\frac{1}{2}$ 120 43 42 42 $\frac{3}{4}$ 45 $\frac{1}{2}$ WilliamsDR2 ♂Aw6500 75 D.W.'sDrm,RockinHwk,AutumSpirit 9
 26Dec81-8BM 1 $\frac{1}{8}$:471 1:124 1:46²ft *2 $\frac{1}{2}$ 112 84 $\frac{1}{2}$ 34 $\frac{1}{2}$ 11 2^{nk} JhsBG2 ♂Bm Lassie 67 BlmyDys,AuPrintmps,CountrftCon 14
 4Dec81-6BM 1 :463 1:122 1:391ft *2 114 79 31 12 1 $\frac{1}{2}$ JohnsnBG9 ♂Aw11000 73 Au Printemps, Hazel Too, Dini K. 10

Sep 22 EP 4 ft :47³ hSep 1 EP 5 ft :59⁴ hAug 17 EP 5 ft :59⁴ h**Okan Dee Select**

Own.—Dahl Beatrice E

120

Dk. b. or br. f. 3, by Docile Boy—Marni Dee, by Cecil County

Br.—Hochsteiner Gail (BC-C)

Tr.—Dahl Beatrice

1982 12 6 3 0 \$83,285

1981 6 2 2 0 \$11,072

Lifetime 18 8 5 0 \$94,357

24Sep82-9EP 1 $\frac{1}{8}$:471 1:122 1:52 gd *2 $\frac{1}{2}$ 125 42 $\frac{1}{2}$ 43 43 52 $\frac{3}{4}$ PtzrM8 ♂B C oaks H 79 †MissZIGld,APrntmps,ChftnsCmnd 8
 11Sep82-8EP 1 $\frac{1}{8}$:472 1:124 1:46³m *7-5 120 66 $\frac{1}{4}$ 53 $\frac{1}{2}$ 35 $\frac{1}{2}$ 66 $\frac{3}{4}$ PatzrM9 ♂B Belles H 71 HomeRunGl,CindersShdow,SlTrty10
 29Aug82-9Lga 1 $\frac{1}{8}$:464 1:104 1:49²ft 9-5 120 31 $\frac{1}{2}$ 1^{hd} 23 24 PtzrM5 ♂Sacajawea H 82 BellofRinir,OknDSlct,MissZuluGold 6
 14Aug82-9EP 6 $\frac{1}{2}$ f:223 :463 1:194m 5 $\frac{1}{4}$ 118 75 $\frac{3}{4}$ 43 $\frac{1}{2}$ 11 $\frac{1}{2}$ 16 Patzr M8 ♂Milady 79 OknDeeSelect,Dvette,MdmoisllBu 10
 31Jly82-9Lga 1 $\frac{1}{8}$:461 1:11 1:434ft 3 $\frac{1}{2}$ 121 57 $\frac{1}{2}$ 23 22 22 $\frac{1}{2}$ BzeMB2 ♂M Donohoe 77 BellofRinir,OknDSlct,NoMorLmons 9
 17Jly82-8EP 1 $\frac{1}{8}$:473 1:123 1:461ft 2 122 1^{hd} 1^{hd} 1^{hd} 11 PtzrM8 ♂LibertionH 80 OknDeeSelect,Cdrly,BoldUndrwitr 8
 1Jly82-7EP 1 $\frac{1}{8}$:473 1:122 1:444ft *7-5 119 86 $\frac{3}{4}$ 32 2^{hd} 1^{nk} PtzrM2 ♂Nanaimo H 87 OknDeeSelect,BoldUndrwitr,Cdrly 9
 23Jun82-8EP 1 $\frac{1}{8}$:471 1:122 1:451ft *6-5 111⁵ 43 11 $\frac{1}{2}$ 12 11 $\frac{3}{4}$ Patzr M6 ♂Aw7000 85 OkanDeeSelect,HeavyHeart,Cedarly 8
 9Jun82-9EP 1 $\frac{1}{8}$:473 1:132 1:454ft 17 111⁵ 49 $\frac{1}{2}$ 1^{hd} 14 16 Patzr M2 ♂Aw12000 82 OknDeeSlct,CollnCrig,EsyTriumph 10
 24May82-8EP 1 $\frac{1}{8}$:48 1:14 1:473ft 6 $\frac{1}{2}$ 117 43 31 $\frac{1}{2}$ 69 716 PtzrM7 ♂Butn & BowH 57 BorrowdMid,Rgl'sFncy,EsyTriumph 9

Sep 19 EP 5 ft 1:01³ hAug 25 EP 5 ft :59² h**Cinders Shadow ***

Own.—Hall R M

116

Dk. b. or br. m. 6, by Ship Leave—Shy Shadow, by Merger

Br.—Hall R M (BC-C)

Tr.—Barroby Frank

1982 14 3 2 3 \$37,259

1981 5 1 0 1 \$5,950

Lifetime 48 11 6 7 \$73,930

20Oct82-8EP 1 $\frac{1}{8}$:474 1:143 1:48 m *2 $\frac{1}{2}$ e 117 66 $\frac{3}{4}$ 57 69 58 Phipps J8 ♂Aw10000 63 LdyofYork,BlushingMinstrel,Indellr 8
 26Sep82-9Lga 1 $\frac{1}{8}$:48 1:141 2:014sl 52 119 913109 $\frac{1}{4}$ 1119 913 PppsJ11 ♂B RobertsH 48 Belle of Rainier, Gi Gi, Latrone 14
 11Sep82-8EP 1 $\frac{1}{8}$:472 1:124 1:46³m 30 115 42 $\frac{3}{4}$ 32 $\frac{1}{2}$ 21 $\frac{1}{2}$ 21 PhippsJ4 ♂B Belles H 77 HomeRunGl,CindersShdow,SlTrty 10
 28Aug82-8EP 1 $\frac{1}{8}$:47 1:121 1:451ft 3 $\frac{3}{4}$ 115 34 $\frac{1}{2}$ 43 $\frac{1}{4}$ 26 38 $\frac{1}{2}$ HoversonC3 ♂Aw12000 76 HomeRunGl,Struckup,CindrsShdow 9
 14Aug82-9EP 6 $\frac{1}{2}$ f:223 :463 1:194m 8 $\frac{1}{2}$ 116 65 $\frac{3}{4}$ 78 $\frac{3}{4}$ 77 $\frac{1}{4}$ 57 $\frac{1}{4}$ Hoverson C5 ♂Milady 72 OknDeeSelect,Dvette,MdmoisllBu 10
 31Jly82-9EP 1 $\frac{1}{8}$:47 1:113 1:442ft *1 118 34 $\frac{1}{2}$ 34 25 25 HrsC1 ♂SWVncouver 84 HomRunGl,CindrsShdow,BonniLois 8
 21Jly82-9EP 1 $\frac{1}{8}$:473 1:122 1:451ft 8 $\frac{1}{4}$ 113 21 22 1 $\frac{1}{2}$ 16 HoversonC1 ♂Aw12000 85 CindersShadow,Dvette,HomeRunGl 8
 9Jly82-9EP 6 $\frac{1}{2}$ f:222 :46 1:182ft 3 117 44 $\frac{1}{2}$ 42 $\frac{1}{2}$ 11 $\frac{1}{2}$ 12 $\frac{1}{2}$ Hoverson C1 ♂Aw8000 86 CindersShdow,SlTrety,BonnieLois 7
 3Jly82-9EP 1 $\frac{1}{8}$:481 1:133 1:473sy 13 112 55 $\frac{1}{2}$ 57 $\frac{1}{2}$ 39 $\frac{1}{2}$ 37 $\frac{3}{4}$ HoversonC7 ♂Vanity H 65 ThreeLeders,Dvette,CindersShdow 10
 18Jun82-9EP 1 $\frac{1}{8}$:462 1:12 1:461ft 6 112 36 53 $\frac{1}{2}$ 73 $\frac{1}{4}$ 33 $\frac{3}{4}$ HrsnC1 ♂Cover Girl H 76 ChmnusBll,MdmosllB,CndrsShdow 9

Sep 24 EP 3 ft :36 h

Sep 18 EP 4 ft :48³ h

Sep 8 EP 4 ft :49 h

Sep 3 EP 4 ft :48⁴ h**Salt Treaty**

Own.—Diamond J

112

B. f. 4, by Bold Reason—Gay Gusher, by Tom Rolfe

Br.—Aitken E T & L F (Ky)

Tr.—Johnson Harry

1982 10 0 1 2 \$7,725

1981 17 4 5 3 \$38,747

Lifetime 32 6 7 5 \$53,177

20Oct82-8EP 1 $\frac{1}{8}$:474 1:143 1:48 m 5 $\frac{1}{4}$ 113 56 $\frac{3}{4}$ 67 $\frac{1}{2}$ 79 $\frac{1}{4}$ 68 $\frac{1}{2}$ HoversonC6 ♂Aw10000 62 LdyofYork,BlushingMinstrel,Indellr 8
 11Sep82-8EP 1 $\frac{1}{8}$:472 1:124 1:46³m 10e 111 711 75 $\frac{1}{2}$ 46 $\frac{1}{2}$ 36 HvrnC10 ♂B Belles H 72 HomeRunGl,CindersShdow,SlTrty10
 28Aug82-8EP 1 $\frac{1}{8}$:47 1:121 1:451ft 14 114 911 86 $\frac{3}{4}$ 56 $\frac{3}{4}$ 49 $\frac{1}{2}$ Krasner S7 ♂Aw12000 75 HomeRunGl,Struckup,CindrsShdow 9
 14Aug82-9EP 6 $\frac{1}{2}$ f:223 :463 1:194m 23 113 916 916 912 914 Krasner S9 ♂Milady 65 OknDeeSelect,Dvette,MdmoisllBu 10
 2Aug82-4EP 6 $\frac{1}{2}$ f:231 :47 1:173m *2 113 43 52 $\frac{1}{2}$ 411 516 Krasner S4 ♂Aw9000 74 BlshngMnstl,WodmntClr,SrnLdyB 5
 21Jly82-9EP 1 $\frac{1}{8}$:473 1:122 1:451ft 5 $\frac{1}{2}$ 114 75 $\frac{1}{2}$ 65 $\frac{1}{2}$ 54 $\frac{3}{4}$ 47 Krasner S7 ♂Aw12000 78 CindersShadow,Dvette,HomeRunGl 8
 9Jly82-9EP 6 $\frac{1}{2}$ f:222 :46 1:182ft 4 $\frac{1}{4}$ 114 612 66 $\frac{3}{4}$ 31 $\frac{1}{2}$ 22 $\frac{1}{2}$ Krasner S2 ♂Aw8000 83 CindersShdow,SlTrety,BonnieLois 7
 26May82-9EP 6 $\frac{1}{2}$ f:223 :462 1:183ft 3 $\frac{3}{4}$ 112⁵ 714 69 54 $\frac{1}{2}$ 33 Patzr M5 ♂Aw8500 82 JmmedFlight,TrctbleTrdrop,SlTrty 7
 5May82-9EP 6 $\frac{1}{2}$ f:224 :46 1:181ft 4 $\frac{1}{2}$ 111⁵ 78 $\frac{1}{4}$ 78 $\frac{1}{4}$ 45 44 $\frac{1}{4}$ Patzr M7 ♂Aw10000 83 CindersShdow,Dvette,Michel'sBst 10
 23Apr82-9EP 6 $\frac{1}{2}$ f:224 :464 1:191ft 5 120⁵ 99 65 $\frac{1}{2}$ 46 46 Patzr M1 ♂Aw12000 76 ThreeLdrs,MdmoisllBu,Michel'sBst 10

Oct 1 EP 2 ft :24¹ bSep 25 EP 7 ft gd 1:32¹ h

Sep 18 EP 5 ft 1:00 h

Sep 10 EP 2 ft gd :24¹ h

Indellare

Own.—Elmbrook Stables

119

B. f. 4, by Indefatigable—Emellare, by Czar Alexander

Br.—Elmbrook Stable (Alb-C)

Tr.—May Alan

1982 13 3 1 2

1981 15 4 7 3

\$56,613

\$39,030

Lifetime 35 9 8 7 \$101,483

20Oct82-8EP	1 $\frac{1}{8}$:474	1:143	1:48 m	7 $\frac{1}{2}$ 117	79 $\frac{3}{4}$ 811	48 $\frac{1}{2}$ 36	Skinner K ³ ⒺAw10000	65	LdyofYork,BlushingMinstrel,Indellr	8
26Sep82-9Lga	1 $\frac{3}{8}$:48	1:141	2:014sl	32 121	10131414	13271321	LsthC ⁸ ⒺB Roberts H	40	Belle of Rainier, Gi Gi, Latrone	14
11Sep82-8EP	1 $\frac{1}{8}$:472	1:124	1:463m	6 $\frac{1}{2}$ 120	10231018	813 78 $\frac{3}{4}$	RycrftD ² ⒺB Belles H	69	HomeRunGl,CindersShdow,Sltrtry	10
29Aug82-9StP	6f :23	:462	1:111ft	4 $\frac{1}{2}$ 118	78 $\frac{1}{2}$ 76 $\frac{3}{4}$	76 $\frac{3}{4}$ 78 $\frac{1}{2}$	Hedge R ⁶ ⒺLilac H	82	Tyrosong, Fair Tania, Lil 'Ol Gal	7
15Aug82-9StP	1 $\frac{1}{8}$:463	1:113	1:45 ft	8 $\frac{1}{2}$ 116	79 $\frac{1}{2}$ 57 $\frac{3}{4}$	43 1 $\frac{1}{2}$	HedgR ⁴ ⒺCal Mat'y H	91	Indellare, Regimen, Atlas Wonder	7
9Aug82-9NP	1 $\frac{3}{8}$:473	1:38	2:164ft	28 121	914 914	913 49 $\frac{3}{4}$	HedgR ⁶ Spd To Spare	90	Rgimn,BlckIsButiful,MirclMmoris	10
2Aug82-9NP	1 $\frac{1}{8}$:463	1:123	1:462ft	*1e122	911 98 $\frac{1}{2}$	74 21	Hedge R ⁸ ⒺDistaff H	82	TwilightTresure,Indellre,OnThRoll	10
13Jly82-9NP	1 $\frac{1}{8}$:47	1:124	1:46 ft	3 $\frac{1}{2}$ e121	1112 910	73 11	HdR ⁹ ⒺMadamoiselle	85	Indellre, MissJoBy, TwilightTresure	11
22Jun82-9NP	6 $\frac{1}{2}$ f :224	:464	1:19 gd	6 $\frac{1}{2}$ 115	68 $\frac{1}{2}$ 77 $\frac{3}{4}$	85 53 $\frac{3}{4}$	MrccMJ ¹ ⒺCelebrityH	83	SlightlyShdy,TlghtTrsr,AvlnchEprss	9
11Jun82-7NP	1 $\frac{1}{8}$:483	1:134	1:461ft	*2-3 118	66 $\frac{1}{2}$ 66 $\frac{1}{4}$	67 56	MerciecMJ ⁴ ⒺAw9000	78	SlightlyShady,WilliesLdy,AdVlorem	6

Sep 25 EP 2f gd :261 h

Miss Zulu Gold

Own.—Poor Four Stable

117

Ch. f. 3, by Zulu Tom—Norm's Choice, by Bold Combatant

Br.—Owens G (Wash)

Tr.—Belvoir Howard

1982 12 3 1 2

1981 6 2 0 0

\$50,140

\$8,800

Lifetime 18 5 1 2 \$58,940

24Sep82-9EP	1 $\frac{1}{8}$:471	1:122	1:52 gd	9 118	2 $\frac{1}{2}$ 2 $\frac{1}{2}$	1hd 1hd†	LsthC ⁶ ⒺB C oaks H	82	†MssZIGld,APrntmps,ChftnsCmnd	8
†24Sep82—Disqualified and placed second										
4Sep82-9EP	1 $\frac{1}{8}$:474	1:13	1:462m	11 119	21 21 $\frac{1}{2}$	35 $\frac{1}{2}$ 49	KrsnerS ³ ⒺSenorita H	70	BllorRnr,APrntmps,Chftn'sCmmnd	9
29Aug82-9Lga	1 $\frac{1}{8}$:464	1:104	1:492ft	20 117	21 $\frac{1}{2}$ 33 $\frac{1}{2}$	35 34 $\frac{1}{2}$	BzeG ² ⒺSacajawea H	81	BellofRinir,OknDSlct,MissZuluGold	6
4Aug82-9EP	6 $\frac{1}{2}$ f :223	:461	1:174ft	12 118	32 21	2hd 1nk	KrsrS ⁶ ⒺQueenCharlo	89	MissZuluGold,LdyCeJy,AuPrintmps	9
31Jly82-9Lga	1 $\frac{1}{8}$:461	1:11	1:434ft	28 114	34 $\frac{1}{2}$ 58	716 725	Baze G ⁷ ⒺM Donohoe	55	BellofRinir,OknDSlct,NoMorLmons	9
24Jly82-9Lga	1 :452	1:104	1:364ft	22 113	34 $\frac{1}{2}$ 44	11201219	SrsnsnD ⁵ ⒺLuella G. H	66	Flamme, Prune Picker, Tani Moro	12
10Jly82-9Lga	1 :453	1:10	1:344ft	21 116	21 $\frac{1}{2}$ 22	35 312	Baze G ⁷ ⒺB. Ross H	83	BllorRnr,NoMorLmons,MssZulGold	9
30Jun82-9Lga	1 :46	1:113	1:394sy	4 $\frac{1}{2}$ 118	56 $\frac{1}{2}$ 47	49 $\frac{1}{2}$ 817	DvidsonJR ⁹ ⒺAw11000	53	VitaLark,GreyPaulus,SwitchinBer	10
19Jun82-9Lga	6 $\frac{1}{2}$ f :213	:443	1:164ft	7 $\frac{1}{2}$ 118	33 $\frac{1}{2}$ 42 $\frac{1}{2}$	87 $\frac{1}{4}$ 76 $\frac{3}{4}$	DdsnJR ¹ ⒺMs Stakes	78	NoMorLmons,EsyTrmph,SddnWnds	8
22May82-9Lga	6f :22	:45	1:092ft	2 121	34 $\frac{1}{2}$ 43	47 513	DdsnJR ⁴ ⒺIngenue H	76	BellofRinir,NoMorLmons,RoylTurn	6

Brief Grief *

Own.—Guindon Bonnie

120

Ch. m. 5, by Sandy Fleet—Good Grief Mama, by Jax Up

Br.—Guindon R R (Wash)

Tr.—Taylor Roy

1982 9 2 2 1

1981 12 3 1 0

\$29,190

\$35,244

Lifetime 31 7 7 2 \$71,743

Turf 1 0 0 0

\$729

26Sep82-9Lga	1 $\frac{3}{8}$:48	1:141	2:014sl	11 121	23 $\frac{1}{2}$ 22	6141016	BazeG ¹ ⒺB Roberts H	45	Belle of Rainier, Gi Gi, Latrone	14
12Sep82-9Lga	1 $\frac{1}{8}$:471	1:123	1:524sy	15 120	23 2hd	1hd 1 $\frac{1}{2}$	Baze M B ¹⁰ ⒺAlki H	69	BriefGrief,ExprssSuccss,Mondolu	12
21Aug82-8Lga	6 $\frac{1}{2}$ f :22	:451	1:17 ft	5 $\frac{1}{2}$ 119	77 $\frac{1}{2}$ 55 $\frac{1}{2}$	45 $\frac{1}{2}$ 48	Baze M B ² ⒺAw10000	76	Ms.DocShdow,Sergous,DimondVill	12
14Aug82-9Lga	1 $\frac{1}{8}$:482	1:14	1:48 sl	9 $\frac{1}{2}$ 117	45 $\frac{1}{4}$ 54 $\frac{1}{4}$	49 413	BMB ² ⒺPrimadonnaH	46	Tani Moro, Flamme, Mondolu	9
6Aug82-8Pla	1 :471	1:122	1:381ft	*3-4 120	11 $\frac{1}{2}$ 1 $\frac{1}{2}$	11 $\frac{1}{2}$ 2	Wright D ⁷ ⒺAw2300	86	JustLikMm,BrfGrf,CountryLovsong	7
17Jly82-9Pla	6 $\frac{1}{2}$ f :23	:463	1:18 ft	3 $\frac{1}{2}$ 120	21 22	11 11 $\frac{1}{4}$	WrhtD ⁶ ⒺLilac City H	95	Brief Grief, Shoot It Out, Misti O.	9
26Jun82-9Pla	6f :224	:463	1:124ft	9-5 118	2hd 2 $\frac{1}{2}$	2hd 31 $\frac{1}{2}$	Wright D ¹ Aw2200	84	RecklessPlesure,ChifYkim,BrifGrif	7
12Jun82-9Pla	6f :221	:45	1:103ft	3 $\frac{1}{2}$ 118	21 22	2 $\frac{1}{2}$ 2hd	Wright D ⁵ Aw2200	97	Seakist Charley, Brief Grief,BiPago	7
21May82-9Pla	6f :232	:464	1:122ft	5 118	33 33 $\frac{1}{2}$	65 84	WrightD ⁷ Inaugural H	84	MrvinsMoving,HyMount,RibotAgn	10

Blushing Minstrel *

Own.—Norland Stables

112

Dk. b. or br. f. 4, by Borrower—Taos Trail, by Black Mountain

Br.—Ca-Ro-Li Farms Ltd (BC-C)

Tr.—Sams Edward

1982 10 2 2 1

1981 13 1 5 3

\$16,020

\$18,543

Lifetime 30 4 7 7 \$42,461

20Oct82-8EP	1 $\frac{1}{8}$:474	1:143	1:48 m	9e114	1hd 14	12 $\frac{1}{2}$ 2hd	Patzer M ² ⒺAw10000	71	LdyofYork,BlushingMinstrel,Indellr	8
17Sep82-8Lga	6 $\frac{1}{2}$ f :213	:443	1:162ft	3 $\frac{1}{2}$ 117	65 $\frac{1}{4}$ 83 $\frac{3}{4}$	97 $\frac{3}{4}$ 76 $\frac{1}{4}$	DavidsonJR ³ ⒺAw8000	81	Fancy Mink,SailOnRoni,Serageous	10
28Aug82-8EP	1 $\frac{1}{8}$:47	1:121	1:451ft	6 $\frac{1}{2}$ 113	45 76 $\frac{1}{4}$	813 816	JohnsnBG ⁴ ⒺAw12000	69	HomeRunGl,Struckup,CindrsShdow	9
14Aug82-9EP	6 $\frac{1}{2}$ f :223	:463	1:194m	2 115	31 $\frac{1}{2}$ 2hd	41 $\frac{1}{2}$ 47	Johnson BG ² ⒺMilady	72	OkndeSelect,Dvette,MdmosilBu	10
2Aug82-4EP	6 $\frac{1}{2}$ f :231	:47	1:173m	2 $\frac{1}{2}$ 113	21 $\frac{1}{2}$ 1hd	16 19	Patzer M ³ ⒺAw9000	90	BlsngMnstrl,WodmntClr,SrnLdyB	5
23Jly82-9Lga	6 $\frac{1}{2}$ f :22	:451	1:162ft	18 114	98 $\frac{1}{4}$ 73 $\frac{3}{4}$	1hd 12	Sorenson D ⁹ Ⓔ40000	87	BlushingMinstrl,Bdnot,FrnchJwlls	10
18Jun82-9EP	1 $\frac{1}{8}$:462	1:12	1:461ft	29 114	68 86 $\frac{1}{4}$	86 $\frac{1}{4}$ 86 $\frac{3}{4}$	CrtRL ⁴ ⒺCover Girl H	73	ChmnusBll,MdmosilB,CndrsShdow	9
9Jun82-8EP	1 $\frac{1}{8}$:47	1:121	1:46 ft	5 $\frac{1}{2}$ 110	46 $\frac{1}{2}$ 56 $\frac{1}{4}$	614 613	Krasner S ³ ⒺAw8000	68	Davette,BonnieLois,CheminusBelle	7
24May82-7EP	6 $\frac{1}{2}$ f :224	:462	1:183ft	2 $\frac{1}{2}$ 1115	22 32 $\frac{1}{2}$	22 $\frac{1}{2}$ 21 $\frac{1}{2}$	Patzer M ² Ⓔ32000	83	Lddi'sLss,BlushngMnstrl,ToscMgc	10
10May82-9EP	6 $\frac{1}{2}$ f :222	:461	1:19 ft	7 $\frac{1}{2}$ 1125	67 $\frac{3}{4}$ 68	46 $\frac{1}{2}$ 32 $\frac{1}{2}$	Patzer M ³ ⒺAw8000	80	LddsLss,TrctblTrdrp,BlsngMnstrl	10

● Sep 28 EP 5f ft 1:003 h

● Aug 26 EP 4f ft :464 b

● Aug 13 EP tr.t 2f sl :243 b

A comparison of Belle of Rainier's record with the rest of the field, including the second and third consensus picks, Okan Dee Select and Au Printemps, reveals why the favorite was bet down to 2—5. The mutuel pools were

	Totals	Belle of Rainier
Win	34,414	20,005
Place	19,347	8,105
Show	14,763	5,485

These values yielded expected returns per dollar bet on Belle of Rainier of*

$$\begin{aligned} \text{EX Show} &= 0.543 + 0.369 \left(\frac{W_3/W}{S_3/S} \right) \\ &= 0.543 + 0.369 \left(\frac{20,005/34,414}{5,485/14,763} \right) = 1.12, \end{aligned}$$

and

$$\begin{aligned} \text{EX Place} &= 0.319 + 0.559 \left(\frac{W_3/W}{P_3/P} \right) \\ &= 0.319 + 0.559 \left(\frac{20,005/34,414}{8,108/19,347} \right) = 1.09. \end{aligned}$$

Both the EX Show and the EX Place are low for Dr. Z system bets, but in light of the extreme favorite bias, the show bet is still interesting, while the place bet is marginal.

Belle of Rainier won the race easily, followed by the 90—1 shot Brief Grief and Au Printemps, who went off at 10—1 (as the third favorite of the crowd). The crowd’s second pick, Okan Dee Select, went off at nearly 7—1 and finished out of the money.

The chart of the race and the mutuel payoffs were as follows:

9th One and one-eighth miles. Three-year-olds and up, fillies and mares. Handicap. Purse \$50,000-added.								
Horse	Jockey	Wt	P	1	1¼	Str	Fin	Odds
Belle Of Rainier	Smsn	126	1	1-1	1-h	2-1	1-1¼	.45
Brief Grief	Mercado	120	10	4-½	3-h	1-h	2-1¼	90.90
Au Printemps	Johnson	116	4	9-1	8-1	3-2½	3-¾	10.20
Indellare	Loeth	119	8	11	11	10-1	4-nk	15.75
Okan Dee Select	Patzer	120	5	10-2	9-3	4-1	5-3	6.60
Dream Disturber	Mena	113	2	3-1	4-4	6-3	6-2	37.15
Salt Treaty	Hverson	113	7	7-1	7-h	7-2	7-3	20.35
Cinders Shadow	Phipps	116	6	6-2½	6-h	9-3	8-nk	18.20
Miss Zulu Gold	Zook	117	9	2-2	2-2	8-1	9-6	18.85
Chermainus Belle	Williams	117	3	8-½	11	10-6	10-7	3.250
Blushing Minstrel	Cghtn	114	11	5-½	5-h	11	11	32.50
Time — :23, :47, 1:12.1, 1:38.1, 1:51.3.								
BELLE OF RAINIER				2.90	3.00	2.60		
BRIEF GRIEF					35.00	10.00		
AU PRINTEMPS						4.60		

*The equations for EX Show and EX Place are those for Exhibition Park discussed in Chapter Four. These equations, (4.3) and (4.4), are quite accurate for other tracks as long as their track take is close to Exhibition Park’s 17.1%. More accurate regression equations based on differing track takes also appear in Chapter Four, as equations (4.5) and (4.6).

Thus even though EX Show was greater than EX Place, the place bet appeared to be the preferable one when Brief Grief came in second. In fact, the place payoff exceeded the win payoff.

More insight into the relative merits of the win, place, and show bets on Belle of Rainier results from a consideration of the probability of possible finishes. Belle of Rainier's probability of winning was about

$$q_3 = \frac{W_3}{W} = \frac{20,005}{34,415} = 0.581.$$

Thus with a \$2.90 payoff to win, the expected return per dollar bet was about 84¢, or an average loss of 16¢, which is close to the track take. The probability of finishing second was about 0.257; therefore, the probability of placing was 0.581 plus 0.257, or 0.834.* The \$3 place payoff yielded an expected return per dollar bet of \$1.25, or 25¢ profit. Finally, the probability of finishing third was about 0.107, and showing 0.945. Hence with a \$2.60 payoff, the expected return per dollar bet was \$1.23, or 23% profit. Thus even with a 90—1 shot finishing second, the show return was nearly as good as the place payoff. These values indicate that the place and show bets were both quite good. But just how unusual were the \$3.00 and \$2.60 payoffs? With expected values of 1.09 and 1.12 and probabilities of placing and showing of 0.838 and 0.945, you would expect payoffs for \$2 bets of \$2.46 and \$2.66, respectively, or \$2.40 and \$2.60 with breakage.

To summarize: Bets on extreme favorites to place or show when the expected values qualify as Dr. Z system bets should be treated as such—

*The probability of winning is $q_3 = W_3/W = 20,005/34,415 = 0.581$. Since Belle of Rainier was an extreme favorite, assume each of the other nine horses had equal chances of winning of $(1 - 0.581)/9 = 0.047$. Then the probability of finishing second was

$$\frac{9q_i q_3}{1 - q_i} = \frac{9(0.581)(0.047)}{0.953} = 0.257,$$

and the probability of finishing third was

$$\frac{(9)8q_i q_j q_3}{(1 - q_i)(1 - q_i - q_j)} = 0.107.$$

Therefore, the probabilities of placing and showing were 0.838 and 0.945, respectively. These estimates are on the conservative side, since, given the favorite—long-shot bias, the probability of winning for such an extreme favorite is higher than 0.581.

good bets. Nearly always, such horses will finish in the money and provide modest returns. If one or more long shots come in, the payoffs will be quite substantial, given the low risk. In fact, if the bets on the remaining horses are relatively evenly divided and there are quite a few horses, say eight or more—as there were in *The Ballerina*—the payoffs on Dr. Z system bets will invariably be quite good. A very high percentage of extreme favorites do turn out to be Dr. Z system bets to place or show, simply because the crowd finds such bets distasteful. You hear all around you, “I do not want to bet on that favorite and get only \$2.20.” Bettors should not be discouraged by the apparent low odds; such odds represent an excellent investment opportunity with a good return and low risk.

Betting All Extreme Favorites to Place and Show

We now provide you with an idea of how you might expect to do betting on nothing but extreme favorites to place or show. The results from a full season of betting at the major New York State racetracks at Aqueduct, Belmont, and Saratoga in 1980 are summarized in Tables 13.2 and 13.3. By betting all favorites that are even money or less, you lose about 2% to place and 4% to show. For win, using Table 3.7, you lose about 10% (14% track take plus 3% breakage minus 7% bias). As with the win bets, the rate of return rises the lower the odds. Thus favorites are increasingly underbet the more they become certain of finishing in the money. According to the data in Tables 13.2 and 13.3, at odds of 3—10 or less, you actually make 13% to place and 5% to show. The place payoff is larger because of the possibility of payoffs greater than the \$2.10 show bets generally provide. Even at 1—5, the place payoff can be \$2.40. Both the place and show payoffs are statistically significantly greater than breaking even. Thus it appears that you can make profits by making place or show bets on all favorites going off at 3—10 or less. Of course, we recommend that you sift from these extreme favorites those that actually are Dr. Z system bets. Most of these extreme favorites will be Dr. Z system bets, and you will do better by eliminating the few that are not. Recall also from the discussion of the Kentucky Oaks in Chapter Six, that the minimum payoff in Kentucky is \$2.20, so that there your bets on extreme favorites to place and especially to show have an added advantage.

TABLE 13.2 Rate of return on place bets for extreme favorites: 732 races in New York in 1980

Tracks	Total in-the-Money Places/ Total Races	Odds Ranges (in-the-money places/races)									
		1—10	1—5	3—10	2—5	1—2	3—5	7—10	4—5	9—10	1—1
Aqueduct, Belmont Park, and Saratoga ^a	543/732	1/1	4/4	14/14	47/56	60/70	55/67	86/128	98/128	80/136	98/134
Percent in-the- money places	74.2	100	100	100	83.9	85.7	82.1	70.5	76.6	58.8	73.1
Payoff range	2.10—5.00	2.10	2.10—2.40	2.10—2.40	2.10—3.00	2.10—3.00	2.20—3.00	2.20—3.00	2.20—3.40	2.20—5.00	2.20—3.80
Average payoff	2.64	2.10	2.28	2.25	2.38	2.51	2.54	2.54	2.67	2.84	2.86
Rate of return	0.98	1.05	1.14	1.13	1.00	1.08	1.04	0.90	1.02	0.84	1.05
		1.13 ± 0.06 ^b			1.04 ± 0.04 ^b			0.95 ± 0.10 ^b			
	±0.07 ^b										

Note: The data used to construct this table and Table 13.3 were obtained from the *Daily Racing Form's Chart Books* for 1980. Breakage at all three tracks is to the nearest 10¢ per dollar wagered. Thanks are due to Brian Canfield for help in collecting and analyzing the data.

^aThe racing dates for both tables were over 311 days: January 1—March 17, March 19—May 19, and October 15—December 31 at Aqueduct; May 21—July 28 and August 27—October 13 at Belmont; and July 30—August 25 at Saratoga.

^bThe rates of return in both Tables 13.2 and 13.3 are expected values ± two standard deviations. The standard deviation may be estimated by $\sqrt{\Sigma(X_i - \bar{X})^2/(N - 1)N}$, where X_i is the return in the i th race out of the N races in each category, and \bar{X} is the average return.

TABLE 13.3 *Rate of return on show bets for extreme favorites: 721 races in New York in 1980*

Tracks	Total in-the-Money Shows/ Total Races	Odds Ranges (in-the-money shows/races)									
		1—10	1—5	3—10	2—5	1—2	3—5	7—10	4—5	9—10	1—1
Aqueduct, Belmont Park, and Saratoga	611/721	1/1	3/3	13/13	50/55	64/69	56/65	102/121	108/126	105/134	109/134
Percent in-the- money shows	84.7	100	100	100	90.9	92.8	86.2	84.3	85.7	78.4	81.3
Payoff range	2.10—3.20	2.10	2.10	2.10	2.10—2.60	2.10—2.40	2.10—2.60	2.10—2.80	2.10—3.20	2.10—3.20	2.10—3.00
Average payoff	2.27	2.10	2.10	2.10	2.12	2.18	2.24	2.23	2.29	2.35	2.39
Rate of return	0.96	1.05	1.05	1.05	0.96	1.01.	0.97	0.94	0.98	0.92	0.97
		1.05 ± 0.00			0.98 ± 0.03			0.95 ± 0.13			
	±0.04										

Note: See footnote ^b on Table 13.2.

Betting Overwhelming Favorites in Major Stakes and Futurity Races

McCleary (1981) studied the results of betting on favorites to win, place, and show in major stakes and futurity races during 1977, 1978, and 1979. These are events with a gross of \$100,000, the top races in North America. All horses carry the same weight in these races. The futurities are races in which the horses are nominated at or before birth. Since such fees accumulate and many horses drop out, the value of such races is very high. His theory was that if the horse was an overwhelming favorite and the conditions were right, the owners, trainers, and jockeys would be trying their utmost to win, and these horses would be good bets. By "overwhelming," he meant that the horse was the *Daily Racing Form's* consensus for the race, the horse was the betting public's favorite, and no other horse was 3—1 or less. By "conditions are right," he meant that the track conditions were the same as when the consensus was formed. His results indicated profits to win, place, and show that were statistically significant in each of these three years. To extend his analysis we added the years 1968, 1976, 1981, and 1982.* For 1968 we used races with grosses of \$50,000 since allowing for inflation this amount corresponds to \$100,000 races run at present. Table 13.4 summarizes the results of all these races. In addition, in Table 13.5 we restricted these results to situations where the favorite was extreme—less than even money or better.

The results indicate profits for place and show betting and slight losses for win bets; however, the results for 1968, 1976, 1981, and 1982 are not as encouraging as those McCleary found for 1977–1979.

McCleary argued that the overwhelming favorite would be a better bet if there were no logical contenders at 3—1 or better odds. We look into the wisdom of this filter rule in Table 13.6. The results indicate that you cannot reject the hypothesis that it does not matter if there is a contender or not. The only profits are for show bets, and they are modest. Many of the horses will be Dr. Z system bets. It is these we recommend. Skip the others.

*Thanks are due to Brian Canfield for assistance in collecting and analyzing these data, which were obtained from various years of the *American Racing Manual*.

TABLE 13.4 Results from bets to win, place, and show on overwhelming favorites in \$100,000 + stakes and futurity races in North America during 1968, 1976–79, 1981, and 1982

Year	Number of Races for Win	Number of Winners	Profit from \$10 Bets to Win (\$)	Number of Races for Place	Number of Placers	Profit from \$10 Bets to Place (\$)	Number of Races to Show	Number of Showers	Profit from \$10 Bets to Show (\$)
1968	58	27	(4.00)	56	43	104.00	54	45	70.00
1976	19	9	(42.00)	18	11	(30.50)	18	13	(23.50)
1977	26	17	116.00	26	21	84.00	25	23	75.50
1978	38	29	63.00	37	35	103.50	35	33	37.00
1979	46	34	52.50	44	42	114.00	43	42	54.00
1981	79	25	(245.00)	68	36	(130.50)	68	38	(98.50)
1982	58	27	(19.00)	58	38	33.00	58	47	42.00
Totals	324	168 (51.9%)	(78.50)	307	226 (73.6%)	277.50	301	241 (80.1%)	156.50
Rate of Return			0.98 ± 0.10			1.09 ± 0.07			1.05 ± 0.06

Note: In Tables 13.4 through 13.6, numerals in parentheses represent losses.

TABLE 13.5 Results from bets to win, place, and show on overwhelming, even-money-or-better favorites in \$100,000 + stakes and futurity races in North America during 1968, 1976-79, 1981, and 1982

Year	Number of Races for Win	Number of Winners	Profit from \$10 Bets to Win (\$)	Number of Races for Place	Number of Placers	Profit from \$10 Bets to Place (\$)	Number of Races to Show	Number of Showers	Profit from \$10 Bets to Show (\$)
1968	18	9	(64.00)	16	15	22.00	14	14	23.00
1976	13	9	4.00	12	10	14.00	12	11	9.00
1977	11	8	9.00	11	11	36.00	10	10	20.50
1978	34	27	43.00	33	31	68.50	31	29	18.00
1979	40	30	19.50	38	36	74.00	37	36	32.50
1981	48	18	(110.00)	37	23	(58.50)	37	29	(13.50)
1982	29	15	(74.00)	29	21	(25.00)	29	28	38.00
Totals	193	116 (60.1%)	(172.50)	176	147 (83.5%)	131.00	170	157 (92.4%)	129.50
Rate of Return			0.91 ± 0.14			1.07 ± 0.07			1.08 ± 0.05

TABLE 13.6 Results from bets to win, place, and show on overwhelming, even-money-or-better favorites in \$100,000 + stakes and futurity races in North America during 1968, 1976, 1981, and 1982

Fast/Firm Tracks Only; Rival Horses Not Allowed									
Year	Number of Races for Win	Number of Winners	Profit from \$10 Bets to Win (\$)	Number of Races for Place	Number of Placers	Profit from \$10 Bets to Place (\$)	Number of Races to Show	Number of Showers	Profit from \$10 Bets to Show (\$)
1968	15	9	(34.00)	14	13	17.00	12	12	17.50
1976	10	6	(11.00)	9	7	0.50	9	8	2.50
1981	31	14	(101.00)	30	18	(54.50)	30	24	(4.50)
1982	27	13	(81.00)	27	19	(27.00)	27	26	36.00
Totals	83	42	(227.00)	80	57	(64.00)	78	70	51.50
Rate of Return	(50.6%)		0.73 ± 0.16	(71.3%)		0.92 ± 0.13	(89.7%)		1.07 ± 0.08
Fast/Firm Tracks Only; Rival Horses Allowed									
1968	22	12	(57.00)	20	19	31.00	18	18	22.50
1976	20	11	(20.00)	19	14	(6.50)	19	15	(21.00)
1981	39	18	(107.00)	38	25	(44.50)	38	31	(3.50)
1982	42	20	(106.00)	42	29	(44.00)	41	37	32.00
Totals	123	61	(290.00)	119	87	(64.00)	116	101	30.00
Rate of Return	(49.6%)		0.76 ± 0.14	(73.1%)		0.95 ± 0.11	(87.1%)		1.03 ± 0.07

*The Longacres Mile, Longacres, Renton,
Washington, August 21, 1983*

A typical overwhelming favorite was Chinook Pass in the Longacres Mile. He was 8—5 in the morning line, with the next highest rated horse, Moonlately at 5—1, the consensus best bet of the day and the favorite of the crowd at 6—5. Chinook Pass broke the world's record at 5½ furlongs and is a dynamite sprinter. The only question in this race was, Could he last for a mile?

Forty-Eighth Running of

The Longacres Mile

NINTH (GR. II)

\$150,000 Added

1609.34 METERS

1 Mile

THE LONGACRES MILE (48th Running)

PURSE \$150,000 ADDED. FOR THREE-YEAR-OLDS AND UPWARD. By subscription of \$150 each, which shall accompany the nomination, \$750 to pass the entry box and \$1,000 additional to start with \$150,000 added, of which \$28,500 to second, \$21,750 to third and \$13,500 to fourth and \$3,750 to fifth, with the winner's share guaranteed to be not less than \$115,000. All nominations, entry and starting fees to the winner. No penalties. In the event more than 14 horses are entered, at closing time of entries, the 14 highest weighted horses entered will be preferred in the draw for post position 1 through 14; the remaining entries to draw for post positions 15 and upward regardless of their weights. In the event of a scratch or scratches inside the gate, all horses will be advanced in post position order, however, a low-weighted horse may not move into the gate to the exclusion of a higher-weighted horse. No more than two horses representing an individual owner or trainer will be allowed to enter. Starters to be named through the entry box at the time of closing designated by racing secretary. High weights preferred. Closed with 42 nominations.

Track Record—ALWAYS GALLANT (5) 1:27—1:33 4/5

ONE MILE

OWNER	TRAINER
DiFiore, Hamilton, & Et Al Lime green & royal blue squares, lime sleeves, lime green & blue cap	Eduardo Inda
1 PEWTER GREY B. c. 4 Grey Dawn II—Young Libby (FL)	118
P. P. 1 Jockey—FRANCISCO MENA	8
Sheree C. Orr, Lessee Blue, red sleeves, matching cap	Steve Goldsmith
2 TOUT OU RIEN B. h. 5 Sham—Yonnie Girl (CAN)	120
P. P. 2 Jockey—J. W. MILLS	12
Sangara Stables Red, white trim, white S on back, matching cap	Joe Walls
3 EARTHQUACK B. g. 4 Quack—Disastrous (FL)	118
P. P. 3 Jockey—LARRY PIERCE	10
R. J. Bennett Green, white sleeves, emblem on back, green cap	Robert J. Anderson
4 TRAVELLING VICTOR B. c. 4 Hail to Victory—Travelling Round (CAN)	118
P. P. 4 Jockey—CHRIS LOSETH	6
Les Brainard Red & white, matching cap	Buford Baze
5 MOONLATELY Ch. g. 6 Philately—Have Faith (WA)	120
P. P. 5 Jockey—GARY BAZE	5
Hi Yu Stable Blue, gold shield HI YU on back, blue cap	Laurie Anderson
6 CHINOOK PASS Br. g. 4 Native Born—Yu Turn (WA)	125
P. P. 6 Jockey—LAFFITT PINCAY	8/5
J. Ng & Tri Star Stables Red, gold trim, gold stars on back, red cap	Dave Forster
7 WANDER KIND B. h. 5 Hold Your Peace—Mile Liebe (FL)	121
P. P. 7 Jockey—KENNETH SKINNER	6

CLOCKER'S SELECTION: 6-5-7

NINTH RACE CONTINUED

OWNER	TRAINER
Joseph Manzi & A. J. Vela Grey, black sash, grey cap	R. A. Meeking
8 LORD ADVOCATE B. c. 4 Inverness Drive—Tort Lass (KY)	117
P. P. 10 Jockey—GARY STEVENS	20
Floyd Street & George Skrypnik Red, white sleeves, BS on back, matching cap	Clement St. Louis
9 POCKET DEAL Ch. g. 4 Class A—Kapps Bomb (CAN)	119
P. P. 11 Jockey—MARCOS MALVAEZ	20
B. G. & J. Billan White, red & blue stripes, matching cap	W. MacDonald
10 FOOLISH OWNERS Br. g. 5 Captain Courageous—Afula (WA)	119
P. P. 12 Jockey—SANDY HAWLEY	20
Canada West Ranches & A. L. Valliere White, red maple leaf on back, white cap	Harold Barroby
11 KING ALPHONSE B. c. 3 Ship Leave—Tricheuse (CAN)	115
P. P. 14 Jockey—BRIAN JOHNSON	20
Goodtime Stable Chartreuse, green polka dots, green GTS in horseshoe on back, chartreuse & green cap	Richard Wright
12 FLYING JUDGEMENT FIELD Ch. g. 4 Flying Lark—Rimmy's Judge (WA)	116
P. P. 8 Jockey—TIM MALGARINI	30
A. J. Segale & R. Rosatto Orange, black RS on back, orange & black cap	Marion L. Smith
12a FABULOUS PATIENT FIELD Br. c. 4 Somethingfabulous—T. V. Patient (WA)	115
P. P. 9 Jockey—MIKE BAZE	30
Ronald R. Ratcliff White, black & red diagonal stripes, matching cap	Wayne McDonnell
12b NATIVE SHEIK FIELD Gr. g. 5 Al Hattab—Sheba Sham (KY)	112
P. P. 13 Jockey—JODY DAVIDSON	30

Declared: IRON BILLY

Numbers 12, 12a, 12b coupled in mutuel field.

The Honorary Steward for the Longacres Mile (48th running will be Senator Warren G. Magnuson and his wife, Germaine.

HORSES, FIELD—WASHINGTON STATE HORSE RACING COMMISSION RULE 399—

When the total number of horses competing in a race exceeds the numbering capacity of the Tote, the highest numbered horse within the capacity of the Tote and all horses of a higher number shall be grouped together and called the "Field" and a wager on one of them shall be a wager on all of them

COMMISSION RULE—WAC 260-48-190

If two or more horses in a race are coupled on the same mutual ticket there shall be no refund unless all the horses so coupled are excused before off-time, or all of the horses so coupled are locked in the gate

CLOCKER'S SELECTION: 6-5-7

He could; he won the race by five lengths and paid \$4.30 to win, \$3.60 to place, and \$3.10 to show. Since the second- and third-place finishers, Travelling Victor and Earthquack, were leading contenders, it is clear that Chinook Pass was also an excellent Dr. Z system bet.* The chart of the race was as follows:

NINTH RACE

Lga

Aug. 21, 1983

1 MILE. (1:33½). FORTY-EIGHTH RUNNING OF THE LONGACRES MILE. Purse, \$150,000-added for three-year-olds and up. By subscription of \$150 each, which shall accompany the nomination, \$750 to pass the entry box and \$1,000 additional to start with \$150,000-added, of which \$28,500 to second, \$21,750 to third, \$13,500 to fourth and \$3,750 to fifth, with the winner's share guaranteed to be not less than \$115,000. All nominations, entry and starting fees to the winner. In the event more than 14 horses are entered, at closing time of entries, the 14 highest weighted horses entered will be preferred in the draw for post position 1 through 14; the remaining entries to draw for post positions 15 and upward regardless of their weights. In the event of a scratch or scratches inside the gate, all horses will be advanced in post position order; however, a low-weighted horse may not move into the gate to the exclusion of a higher-weighted horse. No more than two horses representing an individual owned or trainer will be allowed to enter. Closed with 42 nominations. Value of race, \$182,500. Value to winner, \$115,000; second, \$28,500; third, \$21,750; fourth, \$13,500; fifth, \$3,750. Mutuel Pool, \$462,260.

Last Raced	Horse	Eqt	AWt	PP	St	¼	½	¾	Str	Fin	Jockeys	Owners	Odds to \$1
31Jly 83	8Dmr1 Chinook Pass	4	125	6	1	12½	16	15	14	16	PincayLJr	Hi Yu Stable	1.15
7Aug83	9Lga2 Travelling Victor	4	118	4	2	43	3h	32	2h	2no	LosethC	R J Bennett	11.05
4Aug83	9Lga2 Earthquack	4	119	3	11	7h	72	2h	33½	3nk	PierceL	Sangara Stables	6.80
7Aug83	8Lga2 Native Sheik	5	114	13	14	14	14	123	62½	4no	DavidsonJR	R R Ratcliff	f-22.35
7Aug83	9Lga6 Moonlately	6	120	5	8	5h	6h	41½	43	53	BazeG	L Brainard	5.85
7Aug83	9Lga4 Foolish Owners	5	119	12	9	101	81½	62	53	63	HawleyS	B-G-J Billan	16.80
10Jly 83	9Lga4 Lord Advocate	b4	117	10	13	136	12½	91	75	74½	StevensG	Manzi-Vela	47.70
7Aug83	9EP1 Wander Kind	b5	121	7	5	6½	91	10½	10h	81½	SkinnerK	J Ng-Tri Star Stable	9.40
16Jly 83	9NP6 Pocket Deal	4	119	11	6	8½	41	51	112	9no	MalvaezMG	Street-Skrypnek	43.70
6Aug83	8EP1 King Alphonse	b3	115	14	10	114	112½	81½	9h	10no	JohnsonBG	CndaWstRchs-Vallre	21.85
29Jly 83	8Lga8 Flying Judgement	b4	116	8	12	122	136	112	8h	114	MalgariniT	Goodtime Stable	f-22.35
5Aug83	8Dmr6 Pewter Grey	4	118	1	3	2½	21½	71	122	121	MenaF	Difiore-Hmiltn-Et Al	35.45
7Aug83	9Lga3 Fabulous Patient	b4	118	9	7	91	10½	133	133½	133½	BazeMB	Segale-Rosatto	f-22.35
7Aug83	9Lga1 Tout Ou Rien	b5	120	2	4	31	5h	14	14	14	MillsJW	S C Orr	13.60

f-Mutuel field.
OFF AT 6:30. START GOOD. WON EASILY. Time, :22, :44¾, 1:09¾, 1:22½, 1:35¾. Track fast.
\$2 Mutuel Prices { 6-CHINOOK PASS 4.30 3.60 3.10
4-TRAVELLING VICTOR 8.10 6.10
3-EARTHQUACK 4.30
Dk. b. or br. g, by Native Born—Yu Turn, by Turn-To. Trainer, Laurie N. Anderson. Bred by Hi Yu Stable (Wash.).
CHINOOK PASS, away alertly, sprinted clear at once, drew off to a commanding advantage on the backstretch, settled for the drive with a good lead and pulled away in the late stages to win with complete authority. TRAVELLING VICTOR raced within striking distance early, was sent up to offer a bid on the final turn, bumped with EARTHQUACK in the upper stretch and narrowly edged that rival in a stiff drive. EARTHQUACK saved ground while being outrun early, moved through along the rail on the second turn, bumped with TRAVELLING VICTOR entering the stretch and just missed for the place while under brisk pressure. A claim of foul against TRAVELLING VICTOR by the rider of EARTHQUACK was not allowed. NATIVE SHEIK, outrun for six furlongs, moved to the outside for the stretch run and closed with a bold rush. MOONLATELY lacked a closing kick. WANDER KIND raced in good position early, but gave way before going a half mile. POCKET DEAL was sent up to offer his best bid nearing the far turn and faltered. PEWTER GREY was hard hustled from the inside and stopped after a half.
Overweight—Earthquack, 1 pound; Fabulous Patient, 3; Native Sheik, 2. Scratched—Iron Billy.

*I did not attend this race, but my colleague Henry Pollacco did and recognized Chinook Pass as a Dr. Z system bet, much to his pleasure. Near post time, the tote board expected values per dollar bets and optimal bets with a betting fortune of \$1,000 to place and show were (approximately) as follows:

	Totals	#6 Chinook Pass	Expected Value per Dollar Bet on Chinook Pass (\$)	Optimal Bet on Chinook Pass (\$)
Odds		6—5		
Win	236,812	91,000		
Place	123,000	35,000	1.13	75
Show	93,000	27,000	1.12	204

Such bets would have returned \$135.00 to place and \$316.20 to show, for a profit of \$172.20.

**A Typical Day at the Races:
Making the Best Bet in
Each Race, Hollywood Park,
May 30, 1982**



Betting on All the Races

Many, in fact most, visitors to the racetrack and readers of this book will not wish to play only Dr. Z system bets, since these occur only about two to four times each day. To maintain the excitement of the sporting event, they would rather bet on most or all of the races. Our thesis in this book is that if you keep seriously to the Dr. Z system (and do not bet otherwise) it should win for you. What should you do in the races other than those that have Dr. Z system bets?

There are several possibilities. First, we claim no monopoly on winning systems at the racetrack. While we have no specific suggestions other than those made elsewhere in this book, there may well be systems that you could use to make positive profits in these other races. Second, you could make small bets in these other races, on the assumption that the fun will be worth your small losses, at the same time that you reserve bigger bets for the Dr. Z system bets. Finally, you could bet on that horse or horses in each race that are either Dr. Z system bets or have positive expected value. By *positive expected value*, we mean that for each dollar bet you will receive at least a dollar back, *on average*. As we argued in Chapter Nine, positive expected value using our formulas and methods will *not* lead to the maximum profits. In fact, it is probably not good enough for you to be fairly

confident of achieving any profits at all. With the approximations and uncertainties involved, you need a higher expected-value cutoff than 1.00. For example, the break-even point for the data in Table 5.1 was 1.02. To make the maximum profits, we recommend 1.14 at tracks such as Santa Anita and Belmont, where there are very large betting pools and superior horses, and 1.18 at other tracks. Recall that an expected value of 1.14 means that, *on average*, you will receive \$1.14 for each dollar wagered. Table A.1 in Appendix A indicates the relative sizes of the betting pools at most of the tracks in North America. Those that warrant cutoffs of 1.14 are listed on page 79 in Chapter Five. Nevertheless, if you pick horses with positive expected value you should at least, more or less, break even and do much better than the average bettor. See Table 13.1 in Chapter Thirteen for some values that indicate how you might do if you simply pick the favorite of the crowd to place or show in each race.

Useful Betting Rules

To investigate how such a system might work and to provide you with guidance on what to expect, I went to Hollywood Park in Inglewood, California, on Sunday, May 30, 1982, to try it out.

I used the following rules:

1. Bet \$50 on the horse in each race that seems the best bet to place or show.
2. Bet only if the expected value is at least 1.00.
3. Do not bet on horses that have not run recently.
4. Concentrate on the top horses, namely, those favored by the crowd and the *Daily Racing Form's* consensus and those horses that consistently finish in the money in similar quality races.
5. Stick to the top jockeys, especially when the horse has never been ridden by today's jockey (this consideration is not important for horses that have consistently finished in the money with non-top jockeys riding them again today). See jockey and trainer standings in the following tabulations.
6. Bet to place for Dr. Z system bets only. This is because I also decided to concentrate on show bets. By betting each race, the strategy would be risky and show bets would minimize this risk. Since only about 15% of the Dr. Z system bets are to place, you are unlikely to get good enough place bets in each race to warrant the attention they would need unless they were outstanding bets.
7. For Dr. Z system bets for place and show, I would increase my \$50 bet to the optimal Kelly criterion amount using my calculator with an expected-value cutoff of 1.14.

Jockey Standings
(through Saturday, May 29, 1982)

Jockey	Mounts	Firsts	Seconds	Thirds	Win (%)	In the Money (%)	Ranking
McCarron, C.	182	52	33	14	28.5	54.4	1
Guerra, W.	164	22	25	25	13.4	43.9	5
Pincay, L., Jr.	135	21	23	27	15.5	52.6	2
Hawley, S.	109	19	19	13	17.4	46.8	4
Delahoussaye, E.	125	18	21	14	14.4	42.4	6
Valenzuela, P.	114	14	13	13	12.3	35.1	8
McHargue, D.	113	13	14	13	11.5	35.4	7
Shoemaker, W.	55	13	9	6	23.6	50.9	3
Castaneda, M.	130	12	12	20	9.2	33.8	10
Olivares, F.	112	12	12	15	10.7	34.8	9

Trainer Standings
(through Saturday, May 29, 1982)

Trainer	Starts	Firsts	Seconds	Thirds	Win (%)	In the Money (%)	Ranking
Frankel, R.	74	9	18	10	12.1	50.0	3
Palma, H.	59	9	7	6	15.2	37.2	13
Vienna, D.	44	9	7	4	20.4	45.4	7
Bernstein, D.	51	8	7	9	15.7	47.1	5
Stute, M.	40	8	7	3	20.0	45.0	8
Whittingham, C.	34	7	4	3	20.6	41.2	11
Gosden, J.	23	7	2	1	30.4	43.5	10
Mitchell, M.	29	7	1	5	24.1	44.8	9
Truman, E.	34	6	9	2	17.6	50.0	3
Russell, J.	33	6	8	3	18.1	51.5	2
Lukas, D. W.	44	6	6	8	13.6	45.5	6
Jones, G.	25	6	4	3	24.0	52.0	1
Mandella, R.	35	6	3	5	17.1	40.0	12

Note: You can find these jockey and trainer standings in your racing program. If you wish to use this information, you need to calculate separately the in-the-money percentages, as we have done here. The program usually gives only the win percentages. Ranking jockeys and trainers by *numbers* of winners, as is done in these program listings, is misleading. The best measure for our purposes is *in-the-money percentage*. The top jockeys of this meeting were Chris McCarron, Laffit Pincay, Jr., and Bill Shoemaker, followed by Sandy Hawley, Walter Guerra, and Eddie Delahoussaye. The trainers were quite evenly matched. It is better not to try to get to the level of detail involved in evaluating trainers in your betting. Leave that to the experts who are establishing fair win odds.

Experts' Selections

Consensus Points: 5 for 1st (today's best 7), 2 for 2nd, 1 for 3rd. Today's Best in Bold Type.



Trackman, Warren Williams

HOLLYWOOD PARK

Selections Made for Fast Track

	TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
1	SO CALLED MY MASTERPIECE TRIPLANE	MY MASTERPIECE SO CALLED TRIPLANE	TRIPLANE QUALIFICATION SO CALLED	TRIPLANE SO CALLED THE METHOD	TRIPLANE THE BIG T. QUALIFICATION	TRIPLANE SO CALLED MY MASTERPIECE	17 10 7
2	CITA SOMBRITA MY DUTCHESS OTRA PROMESA	CITA SOMBRITA MY DUTCHESS BAD BAD LUCY	ROLLING GIRL MY DUTCHESS NATIVE ITCH	MY DUTCHESS ROLLING GIRL BAD BAD LUCY	CITA SOMBRITA MY DUTCHESS ROLLING GIRL	CITA SOMBRITA MY DUTCHESS ROLLING GIRL	15 13 8
3	COLONEL STU DOON'S BAY SHANTIN	MESSAGE TO GARCIA COLONEL STU SHANTIN	COLONEL STU SHANTIN DOON'S BAY	SHANTIN COLONEL STU DOON'S BAY	COLONEL STU SHANTIN DOON'S BAY	COLONEL STU SHANTIN DOON'S BAY	19 11 5
4	B. RICH GEORGE PERRY CABIN MASTER WARRIOR	MASTER WARRIOR CHAPEL CREEK PERRY CABIN	B. RICH GEORGE CHAPEL CREEK PERRY CABIN	PERRY CABIN B. RICH GEORGE SALI'S ROYAL DREAM	SALI'S ROYAL DREAM PERRY CABIN MASTER WARRIOR	B. RICH GEORGE PERRY CABIN MASTER WARRIOR	12 11 9
5	INSEARCHOF JET PIRATE EXTRA QUICK	JET PIRATE INSEARCHOF CHECKER'S ORPHAN	INSEARCHOF JET PIRATE FAMILIAR TUNE	JET PIRATE INSEARCHOF MURTAZZ	DISTANT GEM JET PIRATE NAT'S PENNY	JET PIRATE INSEARCHOF DISTANT GEM	16 14 5
6	SPARKLE CRYSTAL LEADING ADVOCATE ASTORIAN	DYNAMIC GIRL LEADING ADVOCATE SPARKLE CRYSTAL	LEADING ADVOCATE SPARKLE CRYSTAL ASTORIAN	ASTORIAN LEADING ADVOCATE SPARKLE CRYSTAL	LEADING ADVOCATE ASTORIAN SPARKLE CRYSTAL	LEADING ADVOCATE SPARKLE CRYSTAL ASTORIAN	16 10 9
7	PIRATE LAW PATTI'S TRIUMPH MOON BALL	PIRATE LAW CONFETTI FAST	MOON BALL CONFETTI FAST	ANOTHER REALM MOON BALL FAST	FAST PIRATE LAW MOON BALL	PIRATE LAW MOON BALL FAST	12 9 8
8	REMEMBER JOHN NEVER TABLED PETRO D. JAY	REMEMBER JOHN NEVER TABLED POMPEII COURT	NEVER TABLED REMEMBER JOHN POMPEII COURT	NEVER TABLED REMEMBER JOHN SHANEKITE	NEVER TABLED REMEMBER JOHN POMPEII COURT	NEVER TABLED REMEMBER JOHN POMPEII COURT	23 16 3
9	HEART BEAT EL PANCHO ANGEL KUNDALINI	HEART BEAT PIERRE LA MONT KUNDALINI	HEART BEAT KUNDALINI PIERRE LA MONT	HEART BEAT PIERRE LA MONT EL PANCHO ANGEL	HEART BEAT EL PANCHO ANGEL KUNDALINI	HEART BEAT EL PANCHO ANGEL KUNDALINI	29 5 5

SWEEP'S Hollywood Park Graded Handicaps

FIRST RACE

Probable Post, 1:31

1 1/4 MILES. 4-Year-Olds and Up. Claiming (\$16,000 to \$14,000). Purse \$13,000.

P.P.	Horse	Prob. Jockey	Wt.	Comment	Prob. Odds
6	TRIPLANE	Delahoussaye E	118	Back where belongs	5-2
3	THE BIG T.	Ortega L E	115	Threat to tag speed	8-1
10	QUALIFICATION	Hawley S	115	Try runaway tactics	5-1
2	SO CALLED	Hansen R D	115	Question of condition	4-1
4	MY MASTERPIECE	Lipham T	118	Held on real gamely	6-1
9	THE METHOD	Steiner J J	108	Comes off good sprint	8-1
1	DR. STORK	Pierce D	115	Claimed in comeback	12-1
8	FLEET RULER	Olivares F	115	Eliminated at start	12-1
7	ON EL PASEO	Diaz A L	115	\$12,500 Sinne claim	15-1
5	MAGIC STAR	Valenzuela P A	115	Probably needed last	20-1

SECOND RACE

Probable Post, 2:02

6 1/2 FURLONGS. 4-Year-Olds and Up, Fillies and Mares. Claiming (\$20,000 to \$18,000). Purse \$14,000.

8	CITA SOMBRITA	Castaneda M	115	Sharp gal right now	5-2
7	MY DUTCHESS	McCarron C J	113	Chris stays with her	3-1
5	ROLLING GIRL	Steiner J J	110	Ran well over oval	9-2
3	ALLARRONES COMET	McHrDG	115	Failed as favorite	6-1
2	NATIVE ITCH	Valenzuela P A	115	Sharpened in north	8-1
1	BAD BAD LUCY	Sibille R	118	Overmatched in last	8-1
6	KATHINKA	Hansen R D	115	Improvement needed	15-1
4	GOLDEN POLICY	Diaz A L	113	Lacked late kick	15-1
9	OTRA PROMESA	Black K	115	Hard to boost	20-1

THIRD RACE

Probable Post, 2:33

6 FURLONGS. 3-Year-Olds and Up, Bred in Cal. Allowance. Purse \$20,000.

6	COLONEL STU	Delahoussaye E	116	Ready for a smasher	2-1
3	SHANTIN	Valenzuela P A	111	Drilled in :58 3/5	7-2
4	DOON'S BAY	McCarron C J	122	Back with leading man	5-2
1	CROFTED	Pincay L Jr	122	Slow starter on rail	8-1
8	MESSAGE TO GARCIA	CstndM	111	Can't be dismissed	8-1
2	READY REB	Olivares F	114	Last far from best	15-1
5	SEAVOY	Diaz A L	116	Found where wire is	15-1
7	WAR HOUSE	Wellington H K	116	Third in Fresno stakes	30-1
9	WINDY SCOTT	Steiner J J	109	Figures to weaken	30-1

FOURTH RACE

Probable Post, 3:04

7 FURLONGS. 3-Year-Olds and Up. Allowance. Purse \$26,000.

5	SALI'S ROYAL DREAM	McCrrCJ	116	Edge in tight fit	4-1
6	PERRY CABIN	Olivares F	116	Bobbled at break	5-2
7	MASTER WARRIOR	Sibille R	116	Comes off game try	7-2
1	B. RICH GEORGE	Pincay L Jr	111	Look who takes over	3-1
3	CHAPEL CREEK	McHargue D G	116	Last more like it	6-1
4	SURPRISE GEORGE	DhoussyE	116	Prepping for router?	10-1
2	SOME LUTE	Valenzuela P A	116	Made lead on grass	20-1

FIFTH RACE

Probable Post, 3:35

6 FURLONGS. 3-Year-Olds. Claiming (\$40,000 to \$35,000). Purse \$18,000.

6	DISTANT GEM	Valenzuela P A	116	Fast works, likes track	5-2
4	JET PIRATE	Sibille R	116	Dropping for this	3-1
8	NAT'S PENNY	Delahoussaye E	114	Tough with these	6-1
3	INSEARCHOF	McHargue D G	116	Must be considered	9-2
11	SPECTACULAR BEE	McCrrnCJ	116	Fits better here	8-1
10	CHECKER'S ORPHAN	Pierce D	116	Faltered in router	12-1
9	GRINGO JIM	Pincay L Jr	116	Steps into claimer	12-1
5	EXTRA QUICK	Castaneda M	116	Back at best distance	15-1
2	FAMILIAR TUNE	Ortega L E	112	Good race to easier	15-1
7	MURTAZZ	Lipham T	116	Well backed in north	30-1
1	RAMBLE ON JOHN	Ramirez O	116	Little to endorse	30-1

Blinkers On: Insearchof.

SIXTH RACE

Probable Post, 4:07

1 MILE. 3-Year-Olds and Up, Fillies and Mares. Maiden Special weights. Purse \$18,000.

7	LEADING ADVOCATE	PincyLJr	114	Soft graduation spot	2-1
9	ASTORIAN	McHargue D G	114	Promise in New York	3-1
3	SPARKLE CRYSTAL	McCrrnCJ	114	McCarron-Gosden team	5-2
4	DYNAMIC GIRL	Hawley S	114	Puts on blinkers	8-1
6	TELL'S TREASURE	Hansen R D	122	Speed for partways	10-1
2	DELICATE GRACE	ValenzuelaPA	114	Caved in early	15-1
8	LOST LOOT	Ortega L E	114	Dull dash return	15-1
5	QUIZZICAL	Steiner J J	117	Didn't beat a soul	30-1
1	JENNIE'S IMAGE	Lipham T	114	Must do much better	30-1

Blinkers On: Dynamic Girl, Tell's Treasure.

SEVENTH RACE

Probable Post, 4:40

1 1/8 MILES.(turf) 4-Year-Olds and Up. Allowance. Purse \$40,000.

5	FAST	McCarron C J	114	Winner if ready	5-2
3	PIRATE LAW	Valenzuela P A	114	Ran well over course	3-1
7	MOON BALL	Castaneda M	114	Staged 48-1 surprise	9-2
6	PATTI'S TRIUMPH	Hawley S	118	No excuses last trip	5-1
9	CONFETTI	Pincay L Jr	114	Wide throughout	6-1
1	HAUGHTY BUT NICE	McHrgDG	114	Gave way on lead	10-1
4	SUNNY WINTERS	DelhoussyE	116	Didn't belong in last	12-1
2	ANOTHER REALM	Gilligan L	114	Surprise package	12-1
8	GOLDEN FLAK	Hansen R D	114	Back from Golden Gate	3-1

Coupled—Pirate Law and Golden Flak.

EIGHTH RACE

Probable Post, 5:12

6 FURLONGS. 30th Running of THE LOS ANGELES HANDICAP (Grade III). 3-Year-Olds and Up. Purse \$75,000 Added.

7	NEVER TABLED	McCarron C J	116	Conditions to order	2-1
1	REMEMBER JOHN	DelhoussyE	115	Just won from rail	5-2
3	POMPEII COURT	Sibille R	116	Always gives his best	9-2
2	SHANEKITE	Hawley S	117	Doesn't look right	6-1
4	PETRO D. JAY	Castaneda M	116	Equalled world mark	6-1
6	BEACH WALK	Steiner J J	113	Game but in tough	12-1
5	COOL FRENCHY	Aragon J	112	Longshot pilot aboard	20-1
8	TERRESTO'S SINGER	VinzulPA	113	Rider fits him well	20-1

Blinkers Off: Terresto's Singer.

NINTH RACE

Probable Post, 5:45

1 1/8 MILES.(turf) 4-Year-Olds and Up. Claiming (\$50,000). Purse \$28,000.

5	HEART BEAT	Pincay L Jr	116	Spotted for top try	8-5
4	EL PANCHO ANGEL	Lipham T	116	Nosedive in class	3-1
2	KUNDALINI	Valenzuela P A	116	Finished fairly well	6-1
7	WANTAZEE	Delahoussaye E	119	May take to turf	4-1
6	PIERRE LA MONT	Hawley S	116	Weakened in marathon	6-1
8	INGRES	Sibille R	116	Passed tiring horses	12-1
3	BUFFALO HART	Pierce D	116	Outrun by better	20-1
1	FABULOUS REASON	CastndM	116	View from Century	30-1

ANALYST'S

Hollywood Comment

THIRD RACE

- 1—Colonel Stu
- 2—Shantin
- 3—Doon's Bay

COLONEL STU, a lightly raced colt, showed grit last trip when runner-up to Rawbone in 1:09 flat. He was 1 1/2 lengths ahead of strong rival DOON'S BAY and will be getting six pounds from that foe. He also gets off the rail and Eddie D. SHANTIN ran gamely behind the swift L'Cap last trip and the sophomore will be dropping eight pounds. He has a bullet work of :58 3/5 on the 23rd and seems strictly on the improve. DOON'S BAY is usually in the thick of contention and will be reunited with McCarron today. Despite his 122 pounds he has enough heart to be a strong factor. WINDY SCOTT should give them all something to run at.

FOURTH RACE

- 1—B. Rich George
- 2—Chapel Creek
- 3—Perry Cabin

B. RICH GEORGE is the likely speed of this contest, and although he couldn't hold off Jet Travel and Dena Jo last trip, he doesn't find that type of competition in this line-up. He should be extremely tough to catch from the rail with Pincay aloft. CHAPEL CREEK moved up dramatically last time at 27-1 and seems to be coming around for Cleveland and may start running to some of his spectacular works. He drilled a bullet 1:25 since his improved race. PERRY CABIN was flying at the finish last trip, being lapped on stakes caliber No No. If the speed falters, he could be along in time. SALI'S ROYAL DREAM usually moves up with McCarron aboard, while MASTER WARRIOR may be able to push the top choice.

FIFTH RACE

- 1—Insearchof
- 2—Jet Pirate
- 3—Familiar Tune

INSEARCHOF ran a fine race last trip when he closed willingly and was beaten a neck by the vastly improved Michelle's Dream. The colt has come around this season for Warren Stute and McHargue was aboard for his maiden win April 20 at Santa Anita. He may be able to rate him a bit better now and blinkers should help. JET PIRATE is back in a league where he might utilize his speed. FAMILIAR TUNE was third to Michelle's Dream last out, beaten a length. It was a fine try for only his fifth lifetime start and the slightest improvement could find him right in the hunt. MURTAZZ has every right to move up here, while DISTANT GEM could flash speed in his return off good a.m. works.

SIXTH RACE

- 1—Leading Advocate
- 2—Sparkle Crystal
- 3—Astorian

LEADING ADVOCATE was bumped at the start last time and didn't duplicate her fine effort behind Trust Us May 1, although she finished a creditable third behind the impressive Miss Elea. Pincay takes over the controls today and they should find the charmed circle. SPARKLE CRYSTAL has some nice works for her debut (:14 3/5, 1:41 4/5 and 1:26 4/5).

Look for McCarron to get some run from this Sir Gaylord filly. ASTORIAN, a full sister to Agitate, the 1974 Hollywood Derby and Swaps winner, showed some promise in New York last September and Laz Barrera may have her ready to ramble, although her workout times have been moderate. TELL'S TREASURE, a half sister to Ack's Secret, may like a mile and gets off the rail. She came back to work well and gets blinkers.

SEVENTH RACE

- 1—Moon Ball
- 2—Confetti
- 3—Fast

MOON BALL appears to have found his winning stride off a stunning 48-1 tally last journey over a fine group of turf specialists. There is enough speed here for him to stalk again and looks perfectly placed for a repeat. CONFETTI was fourth to the top horse last out and seems to be acclimating nicely now after racing well in Group races in France in 1981. Pincay will be aboard this Hofmans trainee. FAST makes his comeback today after being on the shelf since 1980. He has been working exceptionally well for Whittingham and McCarron will be aboard. The 5-year-old could be right on edge. ANOTHER REALM has every right to improve, while SUNNY WINTERS is working well at Santa Anita and may enjoy the turf.

EIGHTH RACE

- 1—NEVER TABLED
- 2—Remember John
- 3—Pompeii Court

NEVER TABLED showed he was made of stakes timber last out when he pulled away in the stretch to win the Triple Bend 'Cap in 1:21. He is certainly favorably weighted at 116 and off a :35 blowout Friday he looks fit and ready to continue his winning ways. REMEMBER JOHN, a 3-year-old beat his elders last time, stepping 5 panels in :56, a tick off the track mark. He has the rail here and will likely have to battle PETRO D. JAY, who equalled the world mark of 1:07 1/5 last out at Turf Paradise. These two speedsters could easily kill each other off. POMPEII COURT is very sharp, while SHANEKITE may be tailing off.

NINTH RACE

- 1—Heart Beat
- 2—Kundalini
- 3—Pierre La Mont

HEART BEAT has the difficult task of dropping back off a 1 3/8 miles nose defeat on the turf to 1 1/8 miles, but the Frankel trainee seems to be reaching a higher plateau these days and the 5-year-old may have the class advantage. Pincay gave him a top ride last out and they combine again in this nightcap. KUNDALINI ran third at 21-1 last trip and has enjoyed this turf course in the past. He should be a stronger contender. PIERRE LA MONTE hasn't been showing his flair for speed in recent races, but should clear this field if WANTAZEE, who has never been on the turf, can't keep him company. Hawley could steal the race with PIERRE. EL PANCHO ANGEL drops into a league where he can be dangerous. Lipham has given him some fine rides in the past.

The Results

I arrived for the third race; the first two races featured only cheap claiming horses—that is, those that can be claimed for a small amount of money. The third race was a \$20,000 allowance race. Shantin, the second choice in the consensus, had expected values to show in the 1.05–1.10 range and had finished in the money in seven of his ten career starts, mostly against similar-quality opposition. He was also dropping 8 pounds from his last race, when he ran a creditable second with an 89 speed rating. Colonel Stu, the favorite, also ran an 89 in his last race, but he was picking up weight and had only one race in 1982 and two in 1981. Even if the odds were good, which they were not, I would be quite nervous about placing a bet on such a horse. The choice was Shantin.

3rd Hollywood



6 FURLONGS. (1.07³/₅) ALLOWANCE. Purse \$20,000. 3-year-olds and upward bred in California which have not won a race other than maiden or claiming. Weights, 3-year-olds, 114 lbs.; older, 122 lbs. Non-winners of a race other than claiming since March 15 allowed 3 lbs.; such a race since February 15, 6 lbs.

Crofted

Own.—Sorenson Heather D

122

Lifetime 9 1 2 1 \$18,300

8May82-7Hol	1 ¹ / ₁₆ :46	1:10 ³	1:43 ft	5 114	31 ¹ / ₂ 42	713 717	ShoemakerW ⁶	Aw22000	63	†LittleShah,Wantazee,RomnMjesty	8
20Mar82-4SA	6 ¹ / ₂ f:214	:44 ³	1:164ft	4 118	63 ³ / ₄ 63 ³ / ₄	43 ¹ / ₂ 1 ¹ / ₂	Shoemaker W ⁹	Mdn	86	Crofted,QuackAttack,RivetsFctor	12
5Mar82-6SA	6 ¹ / ₂ f:214	:444	1:162ft	8 ³ / ₄ 118	42 43 ¹ / ₄	33 32	Black K ¹¹	Mdn	86	Santir,Rivets Factor,Crofted	12
11Feb82-6SA	6 ¹ / ₂ f:221	:454	1:182gd	25 117	52 ¹ / ₂ 53 ¹ / ₂	21 22 ¹ / ₂	Black K ⁷	Mdn	75	RegalFalcon,Crofted,RivetsFactor	12
29Dec81-6SA	1 ¹ / ₁₆ :46	1:111	1:434ft	11 117	78 ³ / ₄ 1216	12201224	Sibille R ⁸	Mdn	58	†Poor John,Garibi,Durban Deep	12
20Nov81-6Hol	6f:22	:452	1:11 ft	5 120	2hd 1hd	2hd 2no	Sibille R ⁵	Mdn	82	Royal Name,Crofted,Arnold	12
18Apr81-1GG	6f:214	:45	1:111ft	22 118	42 ¹ / ₂ 53 ³ / ₄	88 ³ / ₄ 87 ¹ / ₂	Diaz A ⁵	[S]Mdn	75	Inffbl,AristocrticClown,SnowWrror	8
21Feb81-1GG	1 ¹ / ₁₆ :464	1:111	1:434ft	14 118	53 ³ / ₄ 811	921 932	Diaz A ⁴	Mdn	52	Truxton'sDoubl,NoPcnc,OurGlmour	9
7Feb81-6GG	6f:221	:452	1:101ft	15 118	79 ¹ / ₄ 811	711 69 ³ / ₄	Hall D C ²	Mdn	78	BoldDrum,VisiblPol,CutiousRobrt	12

• May 23 Hol 6f ft 1:12¹ h

May 17 Hol 4f ft :47 h

May 6 Hol 4f ft :50² b

• Apr 26 SA 1 ft 1:41 h

Ready Reb

Own.—Fanning & Harrison

114

Lifetime 6 1 0 0 \$11,900

14May82-3Hol	7f:214	:441	1:221ft	12 120	52 ¹ / ₄ 52 ¹ / ₄	711 612	Olivares F ⁵	[S]Aw20000	74	L'Ntty,EnvoysIntrigue,MssgToGrci	7
24Apr82-6Hol	6f:221	:45	1:093ft	2 ¹ / ₂ 118	21 21	2 ¹ / ₂ 1hd	Olivares F ⁵	Mdn	89	ReadyReb,ElderwoodSpecial,Crlyon	5
31Mar82-4SA	6f:221	:444	1:094ft	12 118	82 ¹ / ₂ 67 ¹ / ₂	66 ¹ / ₂ 66 ¹ / ₂	Lipham T ⁵	[S]Mdn	83	Sobrehombr,PrincChnnon,LottFlt	10
17Mar82-2SA	6f:214	:453	1:113sy	2 ¹ / ₂ 118	35 32 ¹ / ₂	35 46 ³ / ₄	Lipham T ³	[S]Mdn	73	WindyScott,LottFleet,ThQuiltedKid	7
17Feb82-6SA	6 ¹ / ₂ f:214	:443	1:16 ft	4 118	52 ¹ / ₂ 33 ¹ / ₂	57 ¹ / ₂ 411	Olivares F ⁷	[S]Mdn	79	MssgToGrci,Polly'sRulr,Mrni'sDncr	9
3Feb82-4SA	6f:214	:451	1:101ft	6 ¹ / ₂ 118	3 ¹ / ₂ 2hd	23 711	Olivares F ⁴	[S]Mdn	76	Shantin,Buckohoy,ForgottenMan	11

May 23 Hol 4f ft :50² h

May 9 Hol 5f ft :59³ h

May 2 Hol 4f ft :52 b

Apr 21 SA 5f ft 1:00 h

Shantin *

Own.—Kelly & Christianson

111

Lifetime 10 2 3 2 \$36,350

9May82-5Hol	6f:22	:444	1:09 ft	2 ¹ / ₂ 119	42 ¹ / ₂ 43	23 ¹ / ₂ 22 ¹ / ₂	McCarron C J ⁴	50000	89	L'Cap,Shantin,Can't Be Beat	6
14Apr82-3SA	6f:214	:443	1:094ft	5 120	41 ¹ / ₂ 32 ¹ / ₂	31 42 ¹ / ₂	Asmussen C B ³	62500	86	SkiRacer,Smuggler'sGold,ImSizzler	6
18Mar82-9SA	6f:214	:452	1:12 m	2 ¹ / ₂ 120	45 ¹ / ₂ 42 ¹ / ₂	2hd 1 ¹ / ₂	Guerra W A ⁴	50000	78	Shantin,Daily Report,Il Paladino	7
7Mar82-2SA	6 ¹ / ₂ f:212	:44	1:144ft	7 120	811 914	911 812	CastanedaM ⁵	Aw20000	84	AdvanceMan,GeneralJimmy,L'Ntty	9
21Feb82-2SA	7f:214	:44	1:22 ft	12 120	2 ¹ / ₂ 2 ¹ / ₂	2 ¹ / ₂ 33 ¹ / ₄	CastanedaM ⁹	Aw20000	87	Prestigious Lad,Le Smirk,Shantin	9
3Feb82-4SA	6f:214	:451	1:101ft	*2 ¹ / ₂ 118	1hd 1hd	13 1 ¹ / ₂	Asmussen C B ⁸	[S]Mdn	87	Shantin,Buckohoy,ForgottenMan	11
22Jan82-6SA	7f:221	:452	1:234gd	3 118	2hd 3 ¹ / ₂	25 212	AsmussenCB ¹¹	[S]Mdn	69	DeLaGuerra,Shantin,ForgottenMn	12
26Dec81-3SA	6f:22	:443	1:092ft	*2 ¹ / ₄ 118	22 ¹ / ₂ —	— —	McCarron C J ¹	[S]Mdn	—	B.RchGorg,OlympcGol,CrystlDrps	11

26Dec81—Lame

30Sep81-3SA 6f:214 | :451 | 1:10 ft | 4 118 | 1hd 1¹/₂ | 1hd 2nk | McCarron C J² | [S]Mdn | 88 | Gaelic'sSport,Shntin,DesertEnvoy | 12 |

4Sep81-6Dmr

6f:221

:453

1:11 ft

6¹/₂ 118

63³/₄ 42

2¹/₂ 32³/₄

McCarron CJ¹²

[S]Mdn

80

PrinceSpellbound,CrystlStr,Shntin

12

• May 23 Hol 5f ft :58³ h

May 17 Hol 3f ft :36 h

May 4 Hol 5f ft :58⁴ h

Apr 27 Hol 4f ft :48¹ h

Doon's Bay

Own.—Eklund R L

B. g. 4, by Matsadoon—Sinbay, by Bay Ribbon
 Br.—Eklund R L (Cal)
 Tr.—Harte M G

1982 3 1 1 1 \$16,350
 1981 11 M 6 0 \$13,470

122

Lifetime 14 1 7 1 \$29,820

14May82-5Hol	6f	:221	:444	1:09 ft	*2 $\frac{1}{2}$	120	2 $\frac{1}{2}$	2 $\frac{1}{2}$	34 $\frac{1}{2}$	34 $\frac{1}{2}$	Hawley S ⁵	Aw20000	87	Rawbone, Colonel Stu, Doon's Bay	7
5May82-7Hol	6f	:214	:443	1:091ft	6	120	41 $\frac{1}{2}$	53 $\frac{1}{2}$	33 $\frac{1}{2}$	22 $\frac{1}{2}$	McCarronCJ ⁴	Aw20000	88	TonysLndng, Doon'sBy, ChrgAccont	6
17Apr82-6SA	6 $\frac{1}{2}$ f	:22	:444	1:162ft	5 $\frac{1}{2}$	118	31	2 $\frac{1}{2}$	11 $\frac{1}{2}$	1 $\frac{1}{2}$	McCarron C J ⁹	Mdn	88	Doon'sBy, TruceMker, BruinCounty	12
4Dec81-5BM	6f	:23	:463	1:12 ft	*6-5	118	85 $\frac{1}{2}$	74	54 $\frac{1}{2}$	74 $\frac{1}{2}$	Diaz A L ¹⁰	AlwM	75	CldBTff, BrvCmmndr, QckrEnCndy	12
14Nov81-1BM	1	:462	1:111	1:371gd	*1	118	21	2hd	1hd	2hd	Diaz A L ⁴	Mdn	83	Penns Friends, Doon's Bay, StatsU.	9
30Oct81-3BM	1 $\frac{1}{16}$	:47	1:123	1:451ft	*8-5	116	2 $\frac{1}{2}$	2hd	33	27	Diaz A L ⁶	Mdn	66	FbulousRson, Doon'sBy, PrciousTim	7
16Oct81-4BM	1 $\frac{1}{16}$	:461	1:103	1:424ft	*9-5	116	21	11	12	2nk	Diaz A L ⁴	Mdn	85	ArroyoSeco, Doon'sBy, FbulousRson	9
20Oct81-4BM	1 $\frac{1}{16}$	:453	1:10	1:424ft	*2 $\frac{1}{2}$	116	47 $\frac{1}{2}$	24	22	21 $\frac{1}{2}$	Diaz A L ⁶	Mdn	83	Cinnpo, Doon's Bay, Stats U.	8
23Sep81-6BM	6f	:223	:452	1:103ft	*6-5	116	1hd	2hd	3nk	2no	Diaz A L ²	Mdn	87	BoldTatt, Doon'sBy, BrveCommnder	7
10Sep81-7Bmf	6f	:223	:46	1:112ft	15	116	54	31 $\frac{1}{2}$	21 $\frac{1}{2}$	2no	Diaz A L ¹¹	Mdn	83	Rhythmus, Doon's Bay, HighAgain	12

Apr 29 Hol 5f ft 1:03³ h

Apr 10 SA 7f ft 1:27 h

Apr 3 SA 6f ft 1:12² hg**Seavoy**

Own.—Cmpnili—Myr—Murphy—Thoms

116

Dk. b. or br. g. 4, by Envoy—Come Sea Me Honey, by Windy Sea
 Br.—Pascoe W T III (Cal)
 Tr.—Stute Melvin F

1982 9 1 2 0 \$17,350
 1981 1 M 0 1 \$2,100

Lifetime 10 1 2 1 \$19,450

6May82-6Hol	6f	:214	:452	1:104ft	3 $\frac{1}{2}$	123	31 $\frac{1}{2}$	32	1 $\frac{1}{2}$	12	Pincay L Jr ⁵	M40000	83	Seavoy, Sales Goal, Blow Taps	12
23Apr82-6Hol	6 $\frac{1}{2}$ f	:222	:451	1:17 ft	*2	121	1 $\frac{1}{2}$	2hd	23	45 $\frac{1}{2}$	ValenzuelaPA ⁸	M45000	79	DeltaGambler, JsminePrince, Dilville	8
2Apr82-6SA	6f	:214	:45	1:101ft	*2 $\frac{1}{2}$	118	2hd	2 $\frac{1}{2}$	45	79 $\frac{1}{2}$	Delahoussaye E ⁴	Mdn	77	NeverTbled, Hwkire, SpnishNugget	10
20Mar82-4SA	6 $\frac{1}{2}$ f	:214	:443	1:164ft	*2 $\frac{1}{2}$	118	31 $\frac{1}{2}$	21	32 $\frac{1}{2}$	52 $\frac{1}{2}$	Delahoussaye E ²	Mdn	83	Crofted, QuackAttack, RivetsFctor	12
5Mar82-6SA	6 $\frac{1}{2}$ f	:214	:444	1:162ft	*9-5	118	3 $\frac{1}{2}$	3nk	1hd	42 $\frac{1}{2}$	Valenzuela P A ⁴	Mdn	86	Santir, Rivets Factor, Crofted	12
20Feb82-3SA	6f	:214	:443	1:091ft	5	117	11 $\frac{1}{2}$	12 $\frac{1}{2}$	13	2nk	Valenzuela P A ³	Mdn	92	Cad, Seavoy, Exclusive Session	12
11Feb82-6SA	6 $\frac{1}{2}$ f	:221	:454	1:182gd	10	117	1hd	2 $\frac{1}{2}$	54 $\frac{1}{2}$	613	Valenzuela P A ¹⁰	Mdn	65	RegalFalcon, Crofted, RivetsFactor	12
29Jan82-6SA	6f	:212	:442	1:103ft	2 $\frac{1}{2}$	117	11 $\frac{1}{2}$	14	1 $\frac{1}{2}$	2nk	Valenzuela P A ⁷	Mdn	85	Ergo, Seavoy, Peter Jones	12
16Jan82-4SA	6f	:214	:45	1:10 ft	*2	117	43 $\frac{1}{2}$	33	45 $\frac{1}{2}$	47 $\frac{1}{2}$	Valenzuela P A ¹¹	Mdn	80	DrumDrum, RivetsFctor, Cumplnos	12
20Dec81-2Hol	6 $\frac{1}{2}$ f	:223	:45	1:182ft	4	118	1 $\frac{1}{2}$	1hd	2hd	3nk	Valenzuela P A ⁶	Mdn	78	Jensen'sPrince, Marc'sGleem, Sevoy	8

May 27 Hol 5f ft :59² h

May 21 Hol 4f ft :51 h

May 16 Hol 4f ft :47⁴ hMay 1 Hol 5f ft 1:00¹ h**Colonel Stu**

Own.—Cofer R S

116

B. c. 4, by Orbit Ruler—Sarasvati, by Oceanus II
 Br.—Williams & Cofer (Cal)
 Tr.—Cofer Riley S

1982 1 0 1 0 \$4,000
 1981 2 0 0 0

Lifetime 4 1 1 0 \$12,250

14May82-5Hol	6f	:221	:444	1:09 ft	6 $\frac{1}{2}$	114	52 $\frac{1}{2}$	31 $\frac{1}{2}$	22 $\frac{1}{2}$	23	Guerra W A ¹	Aw20000	89	Rawbone, Colonel Stu, Doon's Bay	7
29Mar81-2SA	6 $\frac{1}{2}$ f	:213	:443	1:164ft	*3 $\frac{1}{2}$	120	42	64 $\frac{1}{2}$	78 $\frac{1}{2}$	712	EstradaJJr ⁵	[S]Aw21000	74	Airroling, Jeff'sEncore, WickdHittr	11
17Jan81-2SA	6 $\frac{1}{2}$ f	:214	:443	1:163ft	3 $\frac{1}{2}$	120	2 $\frac{1}{2}$	1hd	2 $\frac{1}{2}$	64 $\frac{1}{2}$	McCrrnCJ ⁸	[S]Aw20000	82	HeavyHand, TomMack, BeuVitesse	10
26Dec80-3SA	6f	:214	:45	1:102ft	*1	118	61 $\frac{1}{2}$	42 $\frac{1}{2}$	1hd	12 $\frac{1}{2}$	McCarron C J ⁴	[S]Mdn	87	ColonelStu, FoxieDon, HighIndStyl	12

May 24 Hol 5f ft 1:01² h

May 10 Hol 5f ft :59 h

May 5 Hol 6f ft 1:13³ hgApr 28 Hol 5f ft 1:01¹ h**War House**

Own.—Santoro M

116

B. g. 4, by House Committee—Camera Shy, by Dumpty Humpty
 Br.—Santoro M D (Cal)
 Tr.—Finelli Charles

1982 6 1 0 2 \$9,800
 1981 6 1 0 0 \$10,725

Lifetime 13 3 0 2 \$22,065

8May82-9Fno	6f	:213	:441	1:091ft	15	118	31 $\frac{1}{2}$	33	34 $\frac{1}{2}$	36 $\frac{1}{2}$	WillingtonHK ²	Bulldog	87	AmnBrothr, AnswrtoMusic, WrHous	6
14Apr82-1SA	6f	:22	:444	1:10 ft	22	117	107 $\frac{1}{2}$	97 $\frac{1}{2}$	63 $\frac{1}{2}$	1hd	Wellington HK ⁹	12500	88	WarHouse, TragicBell, AnotherTost	11
19Feb82-1SA	6 $\frac{1}{2}$ f	:213	:441	1:144ft	20	115	42 $\frac{1}{2}$	57	8101219		Torres R ²	16000	77	RoughRidr, SummrSlor, Goff'sDncr	12
31Jan82-1SA	6f	:213	:441	1:093ft	14	115	121412171213	86 $\frac{1}{2}$			Olivares F ⁶	20000	83	BoldBatim, Predilection, HeavyHnd	12
14Jan82-1SA	6f	:214	:45	1:094ft	12	115	52 $\frac{1}{2}$	54 $\frac{1}{2}$	32 $\frac{1}{2}$	34 $\frac{1}{2}$	Winland W M ⁴	16000	84	Devon, Qualification, War House	10
3Jan82-1SA	6f	:221	:462	1:124hy	12	115	42	31 $\frac{1}{2}$	38	618	Winland W M ²	16000	56	SuprStrVncnt, OmhMk, EmprorJohn	7
17Aug81-2Dmr	6f	:221	:452	1:112ft	13	115	76 $\frac{1}{2}$	88	119 $\frac{1}{2}$	107 $\frac{1}{2}$	Valdivieso H A ⁵	25000	73	PasstheBll, ImminentIssue, Rosewik	12
7Aug81-9Dmr	6f	:223	:453	1:102ft	9 $\frac{1}{2}$	116	11	1hd	21	47 $\frac{1}{2}$	Mena F ⁶	25000	78	Garfield County, Bubbaskid, Geraldo	6
27Jly81-7Dmr	6f	:221	:444	1:101ft	11	114	44	68 $\frac{1}{2}$	77 $\frac{1}{2}$	89 $\frac{1}{2}$	Lipham T ⁶	40000	77	GrfldConty, ImportntMmo, MjorDcn	8
12Apr81-6SA	6 $\frac{1}{2}$ f	:214	:45	1:162ft	15	116	1hd	64	811	716	ConnollyR ⁷	[S]Aw22000	72	Sunshine Swag, Rawbone, Iona	8

Message To Garcia

Own.—Ridder B J

111

Ch. c. 3, by Messenger of Song—Sisal, by Hillsdale
 Br.—Ridder B J (Cal)
 Tr.—Campbell Gordon C

1982 6 1 0 1 \$12,350
 1981 0 M 0 0

Lifetime 6 1 0 1 \$12,350

14May82-3Hol	7f	:214	:441	1:221ft	17	117	3 $\frac{1}{2}$	2hd	2 $\frac{1}{2}$	32	CastnedM ³	[S]Aw20000	84	L'Ntty, EnvoysIntrigue, MssgToGrci	7
17Apr82-2SA	6f	:212	:444	1:10 ft	17	120	53 $\frac{1}{2}$	32	43 $\frac{1}{2}$	64	Lipham T ⁵	Aw19000	84	Polly's Ruler, L'Natty, WindyScott	12
17Mar82-7SA	6f	:213	:444	1:11 sy	7	120	42 $\frac{1}{2}$	55 $\frac{1}{2}$	69 $\frac{1}{2}$	615	McCrrnCJ ⁶	[S]Aw20000	68	GnrlJimmy, Polly'sRulr, EbonyBronz	6
28Feb82-5SA	1 $\frac{1}{16}$	:454	1:094	1:411ft	16	115	33	49	817	923	Sibille R ¹	Aw20000	72	JourneyatSea, RoyalCptive, AskMe	12
17Feb82-6SA	6 $\frac{1}{2}$ f	:214	:443	1:16 ft	4	118	21	21	2 $\frac{1}{2}$	1hd	McCarron C J ⁹	[S]Mdn	90	MssgToGrci, Polly'sRulr, Mrni'sDncr	9
3Feb82-4SA	6f	:214	:451	1:101ft	12	118	76 $\frac{1}{2}$	87 $\frac{1}{2}$	77 $\frac{1}{2}$	69 $\frac{1}{2}$	McHargue DG ²	[S]Mdn	77	Shantin, Buckohoy, ForgottenMan	11

May 26 Hol 5f ft 1:00² hMay 10 Hol 5f ft 1:00² hApr 30 Hol 5f ft :59¹ hApr 14 SA 4f ft :48² hg

4th Hollywood



7 FURLONGS. (1.19%) ALLOWANCE. Purse \$26,000. 3-year-olds and upward which have not won \$2,500 three times other than maiden, claiming or starter. Weights, 3-year-olds, 114 lbs.; older, 122 lbs. Non-winners of two such races since March 1 allowed 3 lbs.; such a race since then, 6 lbs.

B. Rich George

Own.—Solar Stable

Ch. c. 3, by Don B—Patch It Up, by My Host
Br.—Trickett B H (Cal)
Tr.—Webb George H
Lifetime 22 2 5 4 \$63,655

1982 10 1 2 1 \$28,180
1981 12 1 3 3 \$35,475
Turf 2 0 1 0 \$6,000

21May82-7Hol	7f	:221	:45	1:223ft	4 1/2	114	11	11	2nd	33 1/2	Olivares F6	Aw26000	80	Jet Travel, Dena Jo, B. RichGeorge	6
15May82-8Hol	1 1/8	①:47	1:11	1:403fm	13	114	2 1/2	1hd	42 1/2	815	Olivares F3	W Rgrs H	81	GiveMeStrength,AskMe,Accousticl	8
15May82—Run in two divisions, 8th and 9th races.															
15Apr82-8SA	a6 1/2f	①:214	:4341	1:44fm	17	119	2 1/2	2hd	2hd	2hd	Mena F7	Aw30000	85	ChuliStreet,B.RichGeorge,Spiritino	9
3Apr82-5SA	6f	:22	:452	1:093ft	5 1/2	120	42 1/2	2 1/2	1hd	1 1/2	Mena F8	Aw26000	90	B.RichGeorg,Polly'sRulr,Accousticl	9
21Mar82-4SA	6 1/2f	:212	:44	1:152ft	13	120	32	21	23	47 1/2	Mena F4	Aw20000	85	RemembrJohn,ClticSbr,EstrSrmon	6
7Mar82-2SA	6 1/2f	:212	:44	1:144ft	11	120	62 1/2	66 1/2	66	47 1/2	Mena F3	Aw20000	88	AdvanceMan,GeneralJimmy,L'Ntty	9
10Feb82-7SA	6f	:214	:45	1:114sy	3 1/2	120	2hd	23	39	59	Mena F3	Aw19000	70	JtPirt,HowNowDow,StdupComdin	7
30Jan82-7SA	6f	:212	:44	1:091ft	3 1/2	120	21 1/2	1 1/2	2 1/2	66	ValenzuelPA5	Aw19000	86	TimeToExplode,JourneytSe,SrdSpy	8
14Jan82-5SA	6f	:213	:443	1:091ft	5	120	1 1/2	11	2hd	22 1/2	AsmussenCB2	Aw19000	90	Jet Travel, B. RichGeorge,Rise'nFly	9
8Jan82-5SA	6f	:213	:444	1:102gd	2 1/2	120	33	45 1/2	715	827	McCarronCJ4	Aw19000	59	Unpredictable,Fanjet,HowNowDow	8

May 7 Hol ① 1 fm 1:47 h (d) Apr 26 Hol 4f ft :49 h

*Some Lute

Own.—Vanian Souken S

B. h. 5, by Luthier—Some Dame, by Vieux Manoir
Br.—Secd'Elvs&ExploitationAgr (Fra)
Tr.—Perkins Larry
Lifetime 21 2 1 4 \$51,265

1982 2 0 0 0
1981 8 1 0 2 \$21,313
Turf 21 2 1 4 \$51,265

13May82-8Hol	1	①:4521	1:10	1:34 fm	81	114	1 1/2	2hd	86 1/2	1015	ValenzuelPA9	Aw30000	84	Table Torch, Guarantee, Dhausli	10
29Apr82-8Hol	6f	:22	:443	1:082ft	37	115	76	78 1/2	712	713	Pierce D6	Aw26000	82	LaughingBoy,BeachWalk,Redoutble	7
27Sep81-4Longchamp(Fra)	a1	1:471gd	1-5	126	①	1010	BdelA	Pr du Rond Pt(Gr3)	Deltwn,DimondProspect,Redoutbl	10					
8Aug81-7Deauville(Fra)	a1	1:422fm	14	127	①	54 1/2	Badel A	Pr de Varaville	Tarrago, Wild Idea, Bookman	9					
23Jly81-4MLafitte(Fra)	a1	1:361gd	17	121	①	13	Badel A	Pr Messidor(Gr3)	Ya Zaman, Daeltown, Spoleto	16					
4Jly81-4Longchamp(Fra)	a7f	1:271gd	35	128	①	76 1/2	BadelA	Pr Porte Maillot(Gr3)	Gosport, Mistra, Manjam	13					
9Jun81-5Chantilly(Fra)	a1	1:411gd	26	126	①	31 1/2	BdIA	PrChmndFrdNrd(Gr3)	Gosport, Moon Ingraver,SomeLute	8					
19May81-5StCloud(Fra)	a1	1:474sf	7	121	①	1nk	Badel A	Pr Lovelace	Some Lute,Thisman,NewGrandame	8					
1May81-4StCloud(Fra)	a1	1:411sf	9	119	①	79 1/2	StMrtY	Pr du Muguet(Gr3)	North Jet, Joeran, Confetti	9					
12Apr81-6Longchamp(Fra)	a1	1:422gd	12	123	①	31 1/2	StMrtin	Pr Butte Mrtmrt	Daeltown, Roll of Power,SomeLute	8					

May 26 Hol 4f ft :462 h May 20 Hol 4f ft :473 h May 7 Hol 1 ft 1:403 h Apr 26 Hol 4f ft :483 hg

Chapel Creek

Own.—Loblolly Stable

B. c. 4, by Our Native—Spanked, by Cornish Prince
Br.—Connors Mary E (Conn)
Tr.—Cleveland Gene
Lifetime 22 3 4 2 \$73,896

1982 6 0 0 1 \$4,950
1981 10 2 1 1 \$47,526
Turf 1 0 0 0

8May82-3Hol	6f	:221	:444	1:084ft	27	115	62 1/2	55	44	32 1/2	McHrgueDG1	Aw26000	90	BeachWik,MsterWrrrior,ChpelCreek	8
29Apr82-8Hol	6f	:22	:443	1:082ft	10	115	43	42	53 1/2	66 1/2	Hawley S3	Aw26000	88	LaughingBoy,BeachWalk,Redoutble	7
31Mar82-8OP	6f	:222	:464	1:14 ft	3	114	88 1/2	89 1/2	711	75 1/2	Snyder L6	Aw20000	69	HerefordMan,TryMac,MyDerChrlie	8
20Mar82-8OP	170	:47	1:132	1:432ft	6	111	2hd	2hd	716	720	Kaenel J L9	Aw17500	59	VodikaCollins,Dr.Spnyk,Rckensck	10
10Mar82-9OP	6f	:213	:453	1:123ft	3 1/2	113	99 1/2	710	54	42 1/2	Kaenel J L3	Aw17500	79	BinABttle,Miromn,AvngingGossip	12
4Mar82-9OP	6f	:23	:473	1:123ft	*6-5	113	95 1/2	83	75 1/2	77	Kaenel J L7	Aw20000	75	Lind'sLughin,JoK.Jr.,Contorsionst	10
2Aug81-5Sar	6f	:214	:442	1:082ft	19	112	68 1/2	66 1/2	57	69	Maple E4	Aw23000	89	Maudlin, Khartoum, Will Of Iron	7
8Jly81-6Bel	6f	:224	:451	1:084ft	15	111	46 1/2	37	46 1/2	47 1/2	MacBeth D2	Aw23000	90	Miswaki, Khartoum, Fly North	6
12Jun81-8Bel	1	①:45	1:09	1:34 fm	24	113	89	1014	1016	1021	Vasquez J4	Aw25000	74	WrofWords,Bucksplshr,ExplosvBd	11
9May81-8Bel	1	:451	1:10	1:364ft	9 1/2	126	56	78	710	713	Maple E4	Withers	71	Spirited Boy, Willow Hour, A Run	7

May 22 Hol 7f ft 1:25 h May 16 Hol 5f ft 1:004 h Apr 20 SA 6f ft 1:103 h Apr 14 SA 4f ft :461 h

Surprise George

Own.—Achterberg G

B. c. 4, by Pleasure Seeker—Porterville Bay, by Nigret
Br.—Achterberg G (Cal)
Tr.—Brooks L J
Lifetime 12 3 1 1 \$63,037

1981 10 2 0 1 \$52,800
1980 2 1 1 0 \$10,237
Turf 7 1 0 1 \$36,900

9Jly81-9Hol	1	①:4621	1:1031	1:35 fm	3 1/2	114	66 1/2	41	3 1/2	63 1/2	Lipham T4	Westwood	91	Lemhi Gold,RockSoftly,IslandWhirl	7
9Jly81—Run in two divisions, 8th & 9th races.															
26Jun81-4Hol	1 1/8	①:4731	1:1141	1:413fm	6 1/2	117	63 1/2	64	77	77 1/2	Lipham T4	Aw30000	83	MinnsotChif,IsIndWhirl,MstrThtch	7
7Jun81-8Hol	1 1/8	①:4511	1:0931	1:403fm	15	114	913	45 1/2	44	44 1/2	Lipham T7	Cinema H	91	MinnsotChf,Stnchrry,SplnddSpruc	12
23May81-8Hol	1 1/8	①:4611	1:1041	1:412fm	11	115	65 1/2	62 1/2	42 1/2	32 1/2	Lipham T5	WI Rgers H	89	SplendidSpruce,Sfood,SurprisGorg	8
1May81-8Hol	1	①:4641	1:1041	1:351fm	4 1/2	117	99 1/2	53 1/2	33	1nk	Lipham T9	Aw28000	93	SurprisGorg,WtrwyDriv,QuntumLp	10
15Apr81-8SA	1 1/8	①:46	1:0931	1:464fm	8 1/2	114	43 1/2	32	23	54 1/2	Lipham T3	La Puente	89	Axe House, Mehmet, Flying Gene	13
1Apr81-8SA	a6 1/2f	①:211	:4331	1:43fm	12	114	87 1/2	79	65 1/2	4nk	Lipham T8	Baldwin	86	Descaro, Motivity, Steelinctive	13
21Mar81-6SA	1 1/8	:461	1:111	1:433gd	4 1/2	115	2hd	1hd	2hd	42 1/2	DelhoussyeE7	Aw28000	80	Seafood, Partez, Table Torch	8
13Mar81-6SA	6 1/2f	:212	:441	1:154ft	7	117	611	69 1/2	46	47 1/2	Lipham T1	Aw30000	84	Litigator, Scotts Bar, Steelinctive	6
28Feb81-2SA	6 1/2f	:214	:451	1:173sy	7	114	85	3 1/2	13	11	Lipham T8	[S]Aw21000	82	SurprisGorg,Ultrchrg,SunshinSwg	11

May 19 Hol 6f ft 1:152 h May 14 Hol 6f ft 1:14 h May 9 Hol 5f ft 1:001 h May 4 Hol 4f ft :473 h

Sali's Royal Dream

Own.—Morton Mr—Mrs H D

116

B. g. 4, by Blood Royal—Sali Sara, by Nagea

Br.—Gaylord Ann (Ky)

Tr.—Whitby Steve M

Lifetime 11 3 1 2 \$48,275

1982 2 0 0 0 \$2,600

1981 9 3 1 2 \$45,675

Turf 1 0 0 0

29Apr82-8Hol 6f :22 :443 1:082ft 4 114 64½ 65½ 66½ 55½ Guerra W A⁴ Aw26000 90 LaughingBoy,BeachWalk,Redoutble 7

11Apr82-5SA 6½f :22 :451 1:17 sy 8½ 114 710 76 54 41½ McCarronCJ³ Aw26000 83 Tellround,Redoutble,He'sSomthing 7

9Dec81-7Hol 6½f :221 :45 1:154ft 8½ 114 87½ 77½ 69½ 58½ Ramirez O⁵ Aw25000 82 PompeiiCourt,KngrooCourt,Dorcro 8

27Nov81-7Hol 6½f :223 :453 1:183sy 4½ 113 76½ 75½ 36½ 33½ Hawley S¹ Aw25000 74 DndyWit,PompilCourt,Sli'sRoylDrm 8

15Nov81-5Hol 1¾ ①:4711:1121:414fm 4 112 54 42½ 46 69 McCarronCJ⁹ Aw28000 81 Krassawitz, Vorlaufer, Lucullus 9

6Nov81-9SA 6f :22 :443 1:09 ft 19 119 77 610 56½ 31½ Ramirez O¹ Aw30000 92 ShrpHooper,Inception,Sli'sRoylDrm 7

24Oct81-8SA 1¾ :46 1:10 1:414ft 7½ 112 76½ 77½ 89½ 61½ McCrronCJ¹ Alibhai H 81 Native Tactics, Rock Softly, Damas 9

24Aug81-8Dmr 1 :452 1:101 1:363ft 3 113 42½ 33½ 45 21½ McCarronCJ³ Aw30000 83 AtYourPlesure,Sli'sRoylDrm,Dscro 6

30Jly81-7Dmr 6f :224 :452 1:102ft 4 115 65½ 43½ 32½ 1hd McCarronCJ⁸ Aw18000 86 Sli'sRoylDrm,BondRullh,BronzStr 8

1Jly81-9Hol 6f :213 :45 1:103ft *2½ 116 75½ 74½ 53½ 1no McCarronCJ⁶ Aw20000 84 Sl'sRoylDrm,SchoolHr,RllySmbdy 12

May 25 Hol 6f ft 1:131 h May 18 Hol 5f ft 1:00 h May 11 Hol 3f ft :36 h Apr 24 SA 4f ft :47 h

Perry Cabin

Own.—Baumbach & King

116

B. g. 5, by Arts and Letters—Hester Prynne, by Dedicate

Br.—Headley D A (Ky)

Tr.—Fanning Jerry

Lifetime 56 10 12 7 \$206,198

1982 7 2 2 0 \$43,450

1981 21 3 4 3 \$91,010

Turf 15 5 1 0 \$82,435

15May82-3Hol 7f :221 :442 1:22 ft 5 119 612 68 45 2½ Olivares F¹ 62500 86 No No, Perry Cabin, Philip E. 6

29Apr82-7Hol 1¾ ①:4641:1031:411fm 4½ 116 46½ 33 52½ 1no Olivares F⁷ 62500 93 Perry Cabin, Val De Roi, Chriserik 9

11Apr82-3SA 1½ :474 1:121 1:494sy 15 116 43 31 11½ 12½ Toro F³ 50000 80 Perry Cabin, Three Bits, HeartBeat 6

14Mar82-9SA 1¾ :464 1:12 1:452sy 11 116 712 714 717 518 Lipham T⁵ 62500 56 TheArgyleKid,BeauMoro,Stingingly 7

24Feb82-5SA 1¾ ①:4631:1041:474fm 5½ 116 67½ 66 89½ 812 Lipham T¹⁰ 62500 76 BadRascal,BeauSoleil,BlueDncrII 10

31Jan82-9SA 1¾ :462 1:103 1:421ft 6 116 67½ 62½ 32 2nk Lipham T¹ 50000 90 Three Bits, Perry Cabin, Geshe 7

1Jan82-5SA 1¾ :48 1:133 1:471hy 5½ 116 55½ 65½ 45½ 59½ Lipham T³ 50000 55 Alshurouk, Three Bits, Dogo 9

6Dec81-9Hol 1 ①:4621:1121:354fm 5½ 116 67 63½ 56½ 42½ Lipham T² 65000 87 Sosegdo,MisterWilder,DissiptdDollr 8

21Nov81-9Hol 1 :454 1:10 1:351ft 4 118 87½ 68½ 51½ 510 Harris W³ 65000 80 Black Sulphur, Dogo, Hard to Lee 8

9Nov81-8LA 1¾ :441 1:10 1:431ft 2 116 58½ 53½ 3½ 2½ Harris W² Aw28000 92 DancynTim,PerryCbin,BlckSulphur 5

May 29 Hol 3f ft :371 h May 23 Hol 5f ft 1:021 h May 14 Hol 3f ft :363 h Apr 26 Hol 5f ft 1:012 h

Master Warrior

Own.—Hooper F W

116

Ch. g. 4, by Native Charger—Mia Mood, by Crozier

Br.—Hooper F W (Fla)

Tr.—Fenstermaker L R

Lifetime 20 3 2 2 \$59,650

1982 7 0 2 0 \$14,950

1981 11 3 0 2 \$44,700

Turf 4 0 0 0 \$650

8May82-3Hol 6f :221 :444 1:084ft 22 115 31 21½ 2½ 2½ Sibille R⁶ Aw26000 92 BeachWik,MsterWrrrior,ChpelCreek 8

29Apr82-8Hol 6f :22 :443 1:082ft 16 115 53½ 52 33 44½ Sibille R⁷ Aw26000 90 LaughingBoy,BeachWalk,Redoutble 7

14Mar82-7SA 6½f :213 :443 1:182sy *2½ 117 47½ 36 25 21½ McCarronCJ⁶ Aw26000 76 Trrsto'sSngr,MstrWrror,H'sSmthng 6

26Feb82-7SA 6f :22 :444 1:084ft 14 116 2½ 2hd 41½ 46 McCarronCJ⁴ Aw26000 88 MisterWilder,LughingBoy,Tllround 7

14Feb82-5SA 1¾ :46 1:10 1:414ft 16 113 2½ 3½ 86½ 911 Hansen R D¹ Aw30000 81 Egg Toss,EarlySettler,MisterWilder 9

28Jan82-7SA 6½f :212 :434 1:153ft 47 116 67½ 68 53 53 Hansen R D⁴ Aw26000 89 Toooovrprim,MistrWildr,Cloonwillin 7

15Jan82-5SA 6f :22 :443 1:082ft 44 116 65½ 67 69½ 611 Hansen R D⁷ Aw26000 85 Maxistar, Bond Rullah, Tellaround 8

22Nov81-7Hol 7f :213 :442 1:223ft 18 116 67½ 53½ 57½ 63 Hansen R D⁴ Aw30000 81 ImportntMmo,KndyRidg,DustyHul 9

2Nov81-10LA 7f :222 :461 1:242ft *4-5 112 1½ 1hd 11 1hd Hansen R D⁴ Aw24000 87 MasterWarrior,Who'sLeder,Prmetti 7

21Oct81-5SA a6½f ①:212 :4411:142fm 10 116 42½ 33½ 64½ 65½ ValenzuelPA³ Aw25000 81 StrRoute,MisterWilder,Prodigious 10

● May 29 Hol 3f ft :34 h May 23 Hol 6f ft 1:15 h May 7 Hol 3f ft :364 h Apr 27 Hol 4f ft :491 h

In the fourth race, one of the consensus favorites and the favorite of the betting crowd was Perry Cabin. Perry Cabin was ridden by Frank Olivares, who had guided him to a first- and a second-place finish in two recent races at Hollywood Park. The expected value for a show bet on Perry Cabin was about 1.05, with a final tote board of

		#6
	Totals	Perry Cabin
Odds		2—1
Win	192,676	50,523
Show	40,661	9,824

Perry Cabin won the race and paid \$3.00 to show. This was quite a reasonable payoff for a 2—1 shot with only seven horses and a 1.01 final expected value. The payoff was improved when the second favorite finished out of the money. My \$50 bet returned \$75, for a \$25 profit. The chart of the race was as follows:

FOURTH RACE
Hollywood
MAY 30, 1982

7 FURLONGS. (1.19½) ALLOWANCE. Purse \$26,000. 3-year-olds and upward which have not won \$2,500 three times other than maiden, claiming or starter. Weights, 3-year-olds, 114 lbs.; older, 122 lbs. Non-winners of two such races since March 1 allowed 3 lbs.; such a race since then, 6 lbs.

Value of race \$26,000, value to winner \$14,300, second \$5,200, third \$3,900, fourth \$1,950, fifth \$650. Mutuel pool \$319,342. Exacta Pool \$427,407.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1
15May82 3Hol2	Perry Cabin	b	5	116	6	5	65	52	31	1nk	Olivares F	2 20
29Apr82 8Hol5	Sali's Royal Dream		4	116	5	4	51½	31	1½	23	McCarron C J	6.50
21May82 7Hol3	B. Rich George		3	117	1	6	11½	11	2½	31½	Pincay L Jr	4.00
8May82 3Hol2	Master Warrior		4	116	7	1	41½	2hd	42½	41	Sibille R	2.30
9Jly81 9Hol6	Surprise George	b	4	116	4	7	7	7	68	5½	Delahoussaye E	17.00
8May82 3Hol3	Chapel Creek		4	116	3	2	2hd	41	5hd	610	McHargue D G	5.90
13May82 8Hol10	Some Lute		5	116	2	3	3hd	63	7	7	Valenzuela P A	23.90

OFF AT 3:14 Start good. Won driving. Time, :22½, :44¾, 1:09¾, 1:22 Track fast.

\$2 Mutuel Prices:

6-PERRY CABIN

5-SALI'S ROYAL DREAM

1-B. RICH GEORGE

\$5 EXACTA 6-5 PAID \$92.50

6.40

3.40

3.00

5.60

4.20

3.80

B. g, by Arts and Letters—Hester Prynne, by Dedicate. Trainer Fanning Jerry. Bred by Headley D A (Ky).

PERRY CABIN, unhurried early, saved ground around the turn, found room to rally on the rail through the stretch and was up in the closing yards. SALI'S ROYAL DREAM, never far back, moved to contention inside horses at the far turn, got the lead in the upper stretch but could not quite last. B. RICH GEORGE sprinted to the lead in the opening quarter-mile, but weakened in the final sixteenth. MASTER WARRIOR, in contention while far wide into the far turn, tired in the final furlong. CHAPEL CREEK, in contention between horses to the far turn, gradually weakened after a half-mile. SOME LUTE had only brief early speed.

Owners— 1, Baumbach & King; 2, Morton Mr-Mrs H D; 3, Solar Stable; 4, Hooper F W; 5, Achterberg G; 6, Loblolly Stable; 7, Vanian Souken S.

Overweight: B. Rich George 6 pounds.

The fifth race was for three-year-olds over 6 furlongs for an \$18,000 purse. The top choices were Insearchof, Jet Pirate, Extra Quick, Spectacular Bee, and Distant Gem. Insearchof had finished in the money in three of the last four races against similar-quality horses. Jet Pirate was out of the money in the last four races. However, he had run in faster time against higher-quality opposition. Today he was dropping in class. Extra Quick was moving up in class and appeared too weak for this opposition. Spectacular Bee was never in the money in eight 1982 starts and did not impress me. Distant Gem had a similar record. My preference was for Insearchof, and his show bet expected value was 1.08, making it close to a Dr. Z system bet. At post time the tote board stood as follows:

	Totals	#3 In Search Of
Odds		5—2
Win	174,928	41,682
Show	45,568	8,539

5th Hollywood



6 FURLONGS. (1.07 $\frac{1}{2}$) CLAIMING. Purse \$18,000. 3-year-olds. Weight, 122 lbs. Non-winners of two races since March 28 allowed 3 lbs.; a race since then, 6 lbs. Claiming price \$40,000; for each \$2,500 to \$35,000 allowed 2 lbs. (Races when entered for \$32,000 or less not considered.)

Ramble on John *

Own.—Priddy R or Ann

116

B. g. 3, by Speak John—Hicksville, by Tudor Grey

Br.—Palmer R (Ky)

Tr.—Priddy Ann

\$40,000

1982 6 1 0 0 \$12,120

1981 2 M 0 0

Lifetime 8 1 0 0 \$12,120

8Apr82-9SA	1	:46	1:10 $\frac{3}{4}$	1:36 ft	25	118	52 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	Valenzuela P A ⁸	50000	67	BisonBy,FortyEightFcts,Rconfirm	10
26Mar82-9SA	1	:46	1:10 $\frac{3}{4}$	1:35 $\frac{1}{2}$ ft	8	115	63 $\frac{1}{2}$	53 $\frac{1}{2}$	77 $\frac{1}{2}$	71 $\frac{1}{2}$	71 $\frac{1}{2}$	Valenzuela P A ³	55000	78	Tell Don, Bison Bay, King Darius	9
18Mar82-9SA	6f	:21 $\frac{1}{4}$	:45 $\frac{1}{2}$	1:12 m	8 $\frac{1}{2}$	115 $\frac{1}{2}$	69 $\frac{1}{2}$	65 $\frac{1}{2}$	52 $\frac{1}{2}$	42 $\frac{1}{2}$	42 $\frac{1}{2}$	Steiner J J ¹	50000	75	Shantin, Daily Report, Il Paladino	7
7Mar82-6SA	6 $\frac{1}{2}$ f	:21 $\frac{3}{4}$	:44 $\frac{1}{2}$	1:15 $\frac{1}{2}$ ft	8 $\frac{1}{2}$	120	45	48 $\frac{1}{2}$	51 $\frac{1}{2}$	81 $\frac{1}{2}$	81 $\frac{1}{2}$	Valenzuela P A ²	Aw20000	76	TexsCommerce,LeSmirk,Buckohoy	9
10Feb82-7SA	6f	:21 $\frac{1}{4}$	:45	1:11 $\frac{1}{4}$ sy	14	120	58 $\frac{1}{2}$	58 $\frac{1}{2}$	41 $\frac{1}{2}$	44 $\frac{1}{2}$	44 $\frac{1}{2}$	Byrnes D ⁵	Aw19000	74	JtPirt,HowNowDow,StndupComdin	7
3Jan82-6SA	6 $\frac{1}{2}$ f	:23	:47 $\frac{3}{4}$	1:22 $\frac{1}{4}$ hy	4 $\frac{1}{2}$	118	53 $\frac{1}{2}$	21	1 $\frac{1}{2}$	1no	1no	Byrnes D ⁶	Mdn	56	Ramble on John,Supron,BlueJester	7
26Dec81-4SA	6f	:21 $\frac{3}{4}$	:44 $\frac{3}{4}$	1:10 $\frac{1}{4}$ ft	57	118	32	22 $\frac{1}{2}$	44 $\frac{1}{2}$	73	73	Byrnes D ⁹	Mdn	81	Fanjet, Supron, Berbereau	12
8May81-4Hol	5f	:22 $\frac{1}{2}$	:46 $\frac{1}{2}$	:58 $\frac{1}{4}$ ft	5 $\frac{1}{2}$	116	54 $\frac{1}{2}$	76	71 $\frac{1}{2}$	79 $\frac{1}{2}$	79 $\frac{1}{2}$	Valenzuela P A ⁶	Mdn	75	VagabondSong,KhalDve,RpidRebel	8

May 27 Hol 4f ft :47 $\frac{1}{2}$ hMay 20 Hol 6f ft 1:14 $\frac{1}{2}$ h

May 14 Hol 5f ft :59 h

May 8 Hol 4f ft :47 $\frac{1}{2}$ h

Familiar Tune

Own.—Sugich D or Jane

112

Dk. b. or br. c. 3, by Prove It—Harpsichord, by Dr Kacy

Br.—Ellsworth Kim R & R C (La)

Tr.—Hop Michael D

\$35,000

1982 5 1 0 2 \$8,460

1981 0 M 0 0

Lifetime 5 1 0 2 \$8,460

22May82-3Hol	6f	:21 $\frac{1}{4}$	:45	1:10 $\frac{3}{4}$ ft	14	119	33	32	31	31	31	Sibille R ⁶	32000	83	Michelle'sDrem,Insrchof,FmilirTun	7
25Apr82-9Hol	1 $\frac{1}{8}$	:46 $\frac{3}{4}$	1:11 $\frac{1}{4}$	1:44 $\frac{3}{4}$ ft	53	116	42	76 $\frac{1}{2}$	81 $\frac{1}{2}$	72 $\frac{1}{2}$	72 $\frac{1}{2}$	Ortega L E ⁴	50000	51	IndinO.,FrenchCommnder,Cn'tBBt	8
16Apr82-7SA	6f	:21 $\frac{1}{4}$	:44 $\frac{3}{4}$	1:10 ft	4 $\frac{1}{2}$	116	44	55	47	69 $\frac{1}{2}$	69 $\frac{1}{2}$	Asmussen CB ⁸	c40000	79	DlwrExprss,IndnO.,HomCourtRuling	9
7Apr82-6SA	6f	:22 $\frac{1}{4}$	:45 $\frac{1}{2}$	1:10 $\frac{1}{4}$ ft	3	118	2hd	1hd	12 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	Asmussen CB ⁷	M32000	86	FamiliarTune,King'sPlot,RoringJet	11
12Mar82-9TuP	5 $\frac{1}{2}$ f	:22 $\frac{1}{2}$	:47	1:07 $\frac{1}{2}$ m	21	110	67	64 $\frac{1}{2}$	44 $\frac{1}{2}$	34	34	Snyder D ³	Aw3100	67	Solid Charge, BayTay,FamiliarTune	8

May 29 Hol 3f ft :34 $\frac{1}{2}$ hMay 20 Hol 3f ft :33 $\frac{1}{2}$ hMay 8 Hol 5f ft :59 $\frac{1}{2}$ hApr 24 Hol 3f ft :38 $\frac{1}{2}$ h

Insearchof

Own.—Gaskill—Lewis et al

116

Dk. b. or br. c. 3, by Windy Sands—Gaelic Toot, by Gaelic Dancer

Br.—Gaskill Lynn & Arlene (Cal)

Tr.—Stute Warren

\$40,000

1982 6 1 2 1 \$14,975

1981 8 M 1 1 \$8,325

Lifetime 14 1 3 2 \$23,300

22May82-3Hol	6f	:21 $\frac{1}{4}$	:45	1:10 $\frac{3}{4}$ ft	3	119	22	22	21 $\frac{1}{2}$	2nk	2nk	McHargue D G ⁴	32000	84	Michelle'sDrem,Insrchof,FmilirTun	7
9May82-5Hol	6f	:22	:44 $\frac{1}{4}$	1:09 ft	10	116	52 $\frac{1}{2}$	32 $\frac{1}{2}$	57	61 $\frac{1}{2}$	61 $\frac{1}{2}$	McHargue D G ³	50000	79	L'Cap, Shantin, Can't Be Beat	6
30Apr82-5Hol	6f	:21 $\frac{1}{4}$	:44 $\frac{1}{4}$	1:10 ft	5 $\frac{1}{2}$	116	2hd	1hd	11	23	23	Pierce D ⁷	40000	84	Cn'tBeBet,Insrchof,BetterWithAg	7
20Apr82-4SA	6f	:22	:44 $\frac{1}{4}$	1:09 $\frac{1}{4}$ ft	*9-5	118	11	1 $\frac{1}{2}$	12 $\frac{1}{2}$	13 $\frac{1}{2}$	13 $\frac{1}{2}$	McHrguDG ¹²	[S]M32000	89	Insearchof, Leckie, Susanne's Boy	12
15Apr82-3SA	6f	:21 $\frac{1}{4}$	:44 $\frac{1}{4}$	1:10 $\frac{1}{4}$ ft	12	118	32 $\frac{1}{2}$	43	54 $\frac{1}{2}$	55 $\frac{1}{2}$	55 $\frac{1}{2}$	Asmussen C B ⁶	[S]Mdn	82	Konewah, Prince Channon, FastAxe	6
24Mar82-6SA	6f	:22	:45	1:10 $\frac{3}{4}$ ft	4 $\frac{1}{2}$	118	1 $\frac{1}{2}$	11	1 $\frac{1}{2}$	32	32	Asmussen CB ⁶	M50000	83	Stream Side, Kanui, Insearchof	8
25Oct81-3SA	1	:45 $\frac{1}{4}$	1:11 $\frac{1}{4}$	1:38 ft	19	118	1hd	3 $\frac{1}{2}$	46 $\frac{1}{2}$	81 $\frac{1}{2}$	81 $\frac{1}{2}$	Olivares F ⁸	Mdn	63	Bison Bay, Berbereau, Crystal Star	8
11Oct81-4SA	1	:46 $\frac{3}{4}$	1:11 $\frac{1}{4}$	1:37 $\frac{1}{4}$ ft	5 $\frac{1}{2}$	118	32 $\frac{1}{2}$	32	35	48 $\frac{1}{2}$	48 $\frac{1}{2}$	Olivares F ²	[S]Mdn	71	RacingIsFun,CrystlStr,AlmoStrnger	7
30Sep81-3SA	6f	:21 $\frac{1}{4}$	:45 $\frac{1}{2}$	1:10 ft	13	118	2hd	2 $\frac{1}{2}$	31 $\frac{1}{2}$	56 $\frac{1}{2}$	56 $\frac{1}{2}$	Ortega L E ⁴	[S]Mdn	82	Gaelic'sSport,Shntin,DesertEnvoy	12
9Sep81-8Dmr	1	:45 $\frac{3}{4}$	1:11 $\frac{1}{4}$	1:37 $\frac{1}{2}$ ft	100	114	76 $\frac{1}{2}$	73 $\frac{1}{2}$	61 $\frac{1}{2}$	87 $\frac{1}{2}$	87 $\frac{1}{2}$	Ortega L E ³	Dmr Fut	74	GatoDelSol,TheCaptain, RingProud	10

May 29 Hol 3f ft :37 $\frac{1}{4}$ hMay 16 Hol 5f ft 1:02 $\frac{3}{4}$ hMay 7 Hol 4f ft :50 $\frac{3}{4}$ hApr 27 Hol 4f ft :49 $\frac{1}{4}$ h

Jet Pirate *

Own.—Cavanagh Mr—Mrs T M

116

Dk. b. or br. g. 3, by Tri Jet—Be Victorious, by Steeward

Br.—Schwietert F C (Fla)

Tr.—Carno Louis R

\$40,000

1982 6 2 0 0 \$21,775

1981 7 1 1 0 \$11,950

Lifetime 13 3 1 0 \$33,725

9May82-5Hol	6f	:22	:44 $\frac{1}{4}$	1:09 ft	10	116	21	22	34 $\frac{1}{2}$	46 $\frac{1}{2}$	46 $\frac{1}{2}$	Sibille R ⁵	50000	85	L'Cap, Shantin, Can't Be Beat	6
14Apr82-3SA	6f	:21 $\frac{1}{4}$	:44 $\frac{3}{4}$	1:09 $\frac{1}{4}$ ft	6	120	51 $\frac{1}{2}$	43	43	53 $\frac{1}{2}$	53 $\frac{1}{2}$	Castaneda M ⁶	62500	85	SkiRacer,Smuggler'sGold,ImSizzler	6
7Apr82-3SA	6f	:22	:44 $\frac{1}{2}$	1:08 $\frac{1}{4}$ ft	21	120	46	34 $\frac{1}{2}$	44 $\frac{1}{2}$	55 $\frac{1}{2}$	55 $\frac{1}{2}$	Sibille R ³	Aw23000	88	Spiritino, Art Director, Le Smirk	6
25Feb82-7SA	6 $\frac{1}{2}$ f	:22 $\frac{1}{4}$	:45	1:15 $\frac{1}{2}$ ft	9	120	1 $\frac{1}{2}$	1 $\frac{1}{2}$	22 $\frac{1}{2}$	61 $\frac{1}{2}$	61 $\frac{1}{2}$	Sibille R ³	Aw22000	81	LuckyLegend,RcingIsFun,GtoDISol	6
10Feb82-7SA	6f	:21 $\frac{1}{4}$	:45	1:11 $\frac{1}{4}$ sy	7 $\frac{1}{2}$	115	1hd	13	16	14 $\frac{1}{2}$	14 $\frac{1}{2}$	Sibille R ²	Aw19000	79	JtPirt,HowNowDow,StndupComdin	7
15Jan82-2SA	7f	:22	:44 $\frac{1}{4}$	1:23 $\frac{1}{2}$ ft	3 $\frac{1}{2}$ e	116	1 $\frac{1}{2}$	11 $\frac{1}{2}$	13	14	14	Sibille R ⁷	40000	83	JetPirte,CptinTuffy,OutBeforDwn	12
30Dec81-4SA	6 $\frac{1}{2}$ f	:22 $\frac{1}{2}$	:46	1:19 $\frac{3}{4}$ m	2 $\frac{1}{2}$ e	116	1hd	15	12 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	Ortega L E ¹	40000	71	CapturetheSpirit,JetPirate,JamMan	7
25Nov81-5Hol	6f	:22 $\frac{1}{4}$	:45 $\frac{1}{2}$	1:10 $\frac{1}{4}$ ft	5 $\frac{1}{2}$	114	1hd	11	2 $\frac{1}{2}$	74 $\frac{1}{2}$	74 $\frac{1}{2}$	Ortega L E ⁶	40000	78	Jet Travel, JamMan, MoodyCaptain	9
30Oct81-3SA	6 $\frac{1}{2}$ f	:22	:45 $\frac{1}{2}$	1:17 $\frac{3}{4}$ ft	*9-5	118	1hd	12 $\frac{1}{2}$	14	12 $\frac{1}{2}$	12 $\frac{1}{2}$	Ortega L E ⁴	M25000	82	JetPirte,CptinTuffy,OneBoldReson	8
27Aug81-3Dmr	6f	:22 $\frac{3}{4}$	:46 $\frac{1}{2}$	1:12 ft	6 $\frac{1}{2}$	118	3nk	42	66	91 $\frac{1}{2}$	91 $\frac{1}{2}$	Ortega L E ¹¹	M40000	66	Dena Jo, Smuggler's Gold, SirBoss	12

May 27 Hol 3f ft :36 $\frac{1}{2}$ hMay 22 Hol 4f ft :48 $\frac{1}{4}$ hMay 17 Hol 5f ft 1:00 $\frac{3}{4}$ h

May 7 Hol 4f ft :50 h

Extra Quick

Own.—Four D Stables

116

Ro. g. 3, by Messenger of Song—Trishlyn, by Performance

Br.—Humes Mr—Mrs W A (Cal)

Tr.—Hartstone George D

\$40,000

1982 5 1 0 0 \$6,950

1981 4 1 1 0 \$8,900

Lifetime 9 2 1 0 \$15,850

15May82-2Hol	1 $\frac{1}{8}$	:46 $\frac{1}{4}$	1:11 $\frac{1}{4}$	1:44 ft	*2 $\frac{1}{2}$	116	2 $\frac{1}{2}$	31	33	109 $\frac{1}{2}$	McCarron C J ¹	c32000	66	Jam Man, Carrie's Ten, ClubFlush	11	
29Apr82-5Hol	6f	:22	:44 $\frac{3}{4}$	1:09 $\frac{1}{4}$ ft	3 $\frac{1}{2}$	115	2 $\frac{1}{2}$	2hd	1 $\frac{1}{2}$	14 $\frac{1}{2}$	Guerra W A ⁴	20000	88	ExtrQuick,OleKingTuck,Jo'sTribut	10		
8Apr82-2SA	6f	:21 $\frac{1}{4}$	:45	1:09 $\frac{1}{2}$ ft	35	117	44 $\frac{1}{2}$	46	46 $\frac{1}{2}$	46	Guerra W A ¹	[S] 20000	85	Chris's Lad,Vavavavoom,BrightIsle	9	
5Mar82-1SA	6f	:21 $\frac{1}{4}$	:44 $\frac{1}{4}$	1:10 $\frac{3}{4}$ ft	13	118	54	121 $\frac{1}{2}$	121 $\frac{1}{2}$	121 $\frac{1}{2}$	Sibille R ²	20000	73	Mchll'sDrm,Prt'sOvr,Chcr'sOrphn	12	
12Feb82-1SA	6f	:22 $\frac{1}{2}$	:45 $\frac{3}{4}$	1:11 $\frac{1}{4}$ gd	13	116	41 $\frac{1}{2}$	81 $\frac{1}{2}$	81 $\frac{1}{2}$	92 $\frac{1}{2}$	Sibille R ¹	32000	54	L'Cap, Ima Sizzler, Supcede	9	
11Dec81-2Hol	6 $\frac{1}{2}$ f	:22 $\frac{1}{2}$	:45 $\frac{1}{4}$	1:18 $\frac{3}{4}$ ft	3 $\frac{1}{2}$	117	3nk	2hd	12	11 $\frac{1}{2}$	Sibille R ⁷	M25000	77	ExtrQuick,ARoylWlcom,ToughTim	12	
27Aug81-3Dmr	6f	:22 $\frac{3}{4}$	:46 $\frac{1}{2}$	1:12 ft	5 $\frac{1}{2}$	118	1hd	2 $\frac{1}{2}$	76	111 $\frac{1}{2}$	Lipham T ⁴	M40000	62	Dena Jo, Smuggler's Gold, SirBoss	12	
19Jun81-4Hol	5f	:22	:46 $\frac{1}{4}$	:59 $\frac{3}{4}$ ft	3	116	21	23	2hd	22 $\frac{1}{2}$	Lipham T ²	Mc32000	79	Subdivide,ExtraQuick,Cpt'nArphy	10	
6Jun81-6Hol	5f	:21 $\frac{1}{4}$	:45 $\frac{1}{4}$	:58 $\frac{1}{4}$ ft	8 $\frac{1}{2}$	116	3 $\frac{1}{2}$	34	47 $\frac{1}{2}$	51 $\frac{1}{2}$	Lipham T ⁴	[S]Mdn	77	DistntHrt,B.RichGorg,SwtdnNturl	10
May 25 Hol 4f ft	:48 h				May 10 Hol 5f ft	1:03 h				Apr 25 Hol 4f ft	:47 h				Apr 20 Hol tr.t 4f ft	:52 h	

Distant Gem

Own.—Marshall Mr—Mrs F

116

Ch. c. 3, by Distant Day—Gypsy Gem, by Aegean Isle

Br.—Marshall F (Cal)

Tr.—Tinsley J E Jr

\$40,000

1982 2 0 0 0

1981 5 1 0 1

\$400

\$11,400

Lifetime 7 1 0 1 \$11,800

20Feb82-2SA	6f :214 :442 1:10 ft	*2 118	31 23 47 511	McHargue D G ⁶	40000	77	L'Cap, French Commander, Im Sizzler	7
21Jan82-6SA	6f :221 :453 1:11 m	4 120	69 612 615 619	McHargue DG ¹	Aw19000	64	Speed Broker, Breen, HowNowDow	6
29Dec81-2SA	6f :212 :441 1:101ft	3 120	1 12 11 74	Pincay L Jr ⁹	Aw18000	83	World Ruler, Gelic's Sport, Crystl Str	12
12Dec81-5Hol	6f :213 :443 1:094ft	6 118	46 44 37 516	Ortega L E ¹	Aw18000	72	Irisher, Unpredictable, Captain Tuffy	6
28Nov81-3Hol	6f :222 :46 1:123m	2 118	11 1hd 21 35	Ortega L E ³	Aw18000	69	Art Director, Red Current, Distnt Gem	5
14Nov81-2Hol	6f :22 :45 1:102ft	8 118	1 1 1 11	Ortega L E ⁵	[S]Mdn	85	Distnt Gem, Fleet Eric, No Holds Brd	12
4Sep81-6Dmr	6f :221 :453 1:11 ft	10 118	11 11 52 813	Lipham T ⁵	[S]Mdn	70	Prince Spellbound, Crystl Str, Shntin	12

May 28 Hol 3f ft :34 h

May 16 Hol 5f ft :59 h

May 9 Hol 6f ft 1:13 h

May 4 Hol 5f ft 1:01 h

Murtazz

Own.—Cashman E C

116

B. c. 3, by Exclusive Native—Privileged, by Flying Fury

Br.—Cashman E C (Ky)

Tr.—Sullivan John

\$40,000

1982 2 0 0 0

1981 4 1 1 0

\$400

\$10,356

Lifetime 6 1 1 0 \$10,756

28Apr82-8GG	1 ①:4721:1211:374fm	5 114	52 42 44 55	Baze R A ¹	Aw16000	73	The Brgin Hunter, Thre Docs, Cvlirizzo	7
17Apr82-2SA	6f :212 :444 1:10 ft	79 114	96 96 87 97	Diaz A L ⁹	Aw19000	80	Polly's Ruler, L'Natty, Windy Scott	12
28Sep81-5StCloud(Fra)	a6 1/2f 1:213gd	38 119	① 9	Samani H	Pr Eclipse(Gr3)		Pas de Seul, Rollins, Dear Patrick	10
11Sep81-1Evry(Fra)	a5 1/2f 1:044gd	9 128	① 13	Gibert A	Pr de Lamballe		Murtazz, Moondreamer, Valrant	7
19Aug81-3Vichy(Fra)	a5f 1:01 gd	8 118	① 21 1/2	Hassine L	Pr Tripolette		Goulaine, Murtazz, Rolling Mado	10
21Jly81-7Evry(Fra)	a6f 1:114gd	5 123	① 6 1/2	Samani H	Pr Pensbury		African Joy, King's Envoy, Cinto	8

May 27 Hol 5f ft 1:01 h

May 21 Hol 5f ft 1:04 h

Apr 24 SA 3f ft :36 h

Apr 15 SA 4f ft :48 h

Nat's Penny

Own.—Warwick G M

114

Ch. g. 3, by L'Natural—Quinto Penny, by Catchpenny II

Br.—Warwick G M (Cal)

Tr.—West Ted

\$37,500

1982 6 6 2 0

1981 9 2 2 1

\$5,070

\$23,540

Lifetime 15 2 4 1 \$28,610

4May82-6GG	6f :223 :461 1:122ft	15 115	2hd 2hd 3 74 1/2	Burkes T ⁷	Aw14000	72	Public Tradition, Sir Mcmillon, Pt's Dud	8
31Mar82-6GG	6f :224 :46 1:114sy	11 115	41 41 22 23	Burkes T ¹	Aw13000	77	Sir Macmillon, Nt's Penny, Pet's Dude	6
10Mar82-8GG	6f :222 :453 1:102ft	6 115	43 53 55 77 1/2	Burkes T ³	Aw14000	80	Th Brgin Huntr, Wlk Pst, Honorbl Look	7
9Feb82-8GG	6f :221 :453 1:111ft	16 117	55 77 812 89 1/2	Lawless G ⁵	Glón Bear	73	Dusty Trader, Jet Travel, Cousin Josh	11
4Feb82-8BM	6f :224 :461 1:111ft	*1 114	21 1 1 22	Lawless G ⁴	Aw13000	82	Senior Citizen, Nt's Pnny, Count Mrsll	6
9Jan82-8BM	6f :223 :46 1:12 gd	8 115	61 54 68 88	Burkes T ³	Athtn	72	Dominnt Roni, Shilling, Royle Memory	12
11Dec81-8BM	6f :223 :453 1:11 ft	4 115	2 42 31 23	Burkes T ⁴	Aw12000	84	Walk Past, Nat's Penny, Ace King	9
15Nov81-10AC	6f :22 :434 1:084ft	6 122	3 44 64 611	Munoz J ⁴	A C Fut	84	Sari's Dreamer, Tular, B. Rich George	12
7Nov81-9AC	6f :22 :44 1:093ft	2 120	41 41 42 44 1/2	Munoz J ²	Aw5000	87	Dlwr Exprss, Flt PIA llsn, Tw Str Admrl	6
7Aug81-11SR	5 1/2f :22 :443 1:043ft	4 122	32 31 31 11 1/2	Levine C ³	Rdwd Empr	90	Nat's Penny, Demarday, Tohotocari	9

† 7Aug81—Disqualified and placed fifth

May 27 Hol 3f ft :36 h

May 22 Hol 3f ft :37 h

May 3 GG 3f ft :37 h

Apr 28 GG 5f ft 1:01 h

Gringo Jim *

Own.—Tartan Stable

116

Dk. b. or br. c. 3, by Gallant Romeo—Zonta, by Dr Fager

Br.—Tartan Farms Corp (Fla)

Tr.—Lukas D Wayne

\$40,000

1982 4 1 0 0

1981 0 M 0 0

\$9,350

Lifetime 4 1 0 0 \$9,350

3Apr82-5SA	6f :22 :452 1:093ft	42 120	75 812 717 818	Lipham T ⁵	Aw20000	72	B. Rich Georg, Polly's Rulr, Accousticl	9
31Jan82-2SA	1 1/8 :454 1:102 1:432ft	28 116	2hd 3 79 918	Valenzuel PA ⁹	Aw20000	66	Turbulation, Ask Me, Keno Hill	10
20Jan82-6SA	6 1/2f :22 :454 1:192sy	10 118	21 1 12 12	McCarron C J ⁵	Mdn	73	Gringo Jim, Idaho, Sir Pele	8
10Jan82-6SA	6f :214 :451 1:094ft	17 118	83 10 11 10 15 10 22	McCarron C J ³	Mdn	67	Journyt S, Htmoto, Conscious Effort	10

May 27 Hol 4f ft :51 h

May 21 Hol 4f ft :49 h

May 14 Hol 3f ft :36 h

Checker's Orphan

Own.—Crowley & Downey

116

Ch. g. 3, by Raise an Orphan—Checker's Honey, by Orbit Ruler

Br.—Downey J (Cal)

Tr.—Jordan James

\$40,000

1982 6 1 1 1

1981 3 1 1 0

\$13,525

\$7,500

Lifetime 9 2 2 1 \$21,025

16May82-1Hol	1 1/8 :471 1:113 1:431ft	5 116	32 3nk 53 69	Pierce D ³	50000	70	Duntliss, Flt Pul Allison, Sultnof Swing	8
1May82-1Hol	1 :454 1:104 1:364ft	5 116	11 12 15 14	Pierce D ¹	32000	82	Chckr's Orphn, Club Fish, Ed's Dynsty	9
16Apr82-4SA	1 :452 1:103 1:361ft	*3-2 116	22 11 1hd 22 1/2	McCarron C J ⁴	25000	85	West Cost Ntve, Checker's Orphn, Bgly	8
5Mar82-1SA	6f :214 :444 1:103ft	7 116	2 22 32 32	McHargue DG ⁴	c20000	83	Mchll's Drm, Prt's Ovr, Chcr's Orphn	12
12Feb82-1SA	6f :222 :453 1:114gd	7 116	62 510 411 516	McHargue D G ⁷	32000	63	L'Cap, Ima Sizzler, Supercede	9
14Jan82-5SA	6f :213 :443 1:091ft	61 114	73 913 916 824	Black K ³	Aw19000	68	Jet Travel, B. Rich George, Rise'n Fly	9
19Aug81-4Dmr	6f :224 :463 1:123ft	*2 118	31 43 12 12 1/2	Pincay L Jr ⁷	Mc32000	75	Checker's Orphn, Trvling Pul, Ris'n Fly	9
7Aug81-6Dmr	6f :23 :464 1:123ft	5 118	96 87 47 25	Pincay L Jr ⁶	M32000	70	Michll's Drm, Chckr's Orphn, Grnng	11
17Jly81-4Hol	6f :221 :454 1:113ft	14 117	12 13 11 11 10 12 913	Pincay L Jr ⁵	M45000	66	Antiqu Rulr, Kil's Boy, Gillgns Purchs	12

May 25 Hol 5f ft 1:00 h

Apr 24 SA 5f ft 1:00 h

Apr 9 SA 7f ft 1:24 h

Spectacular Bee

Own.—Twin W Stable

116

B. c. 3, by Nose for Money—Bee Cane, by Tumble Turbie

Br.—Ball & Newman (Fla)

Tr.—Calascibetta Joseph

\$40,000

1982 8 0 0 0

1981 4 1 1 0

\$3,150

\$7,490

Lifetime 12 1 1 0 \$10,640

12May82-5Hol	6f :214 :44 1:091ft	35 115	54 55 65 54 1/2	Toro F ⁶	Aw20000	86	Jetting Plesure, Tell Fib, Vgbond Song	8
30Apr82-5Hol	6f :214 :444 1:10 ft	19 116	53 41 53 45 1/2	Guerra W A ¹	40000	82	Cn't Be Bet, Inserchof, Better With Ag	7
13Mar82-7GP	7f :221 :452 1:24 ft	12 117	31 3 65 68 1/2	Soto S B ⁷	Aw12000	75	Haunted Lad, Pavarotti, Roi Musique	11
3Mar82-5Hia	6f :223 :453 1:111ft	10 116	21 45 58 512	Soto S B ¹	75000	75	Mr. B. B., Direct Answer, Peter Owen	7
13Feb82-6Hia	6f :222 :452 1:11 ft	14 116	53 55 46 55 1/2	Soto S B ¹⁰	Aw13000	82	Richness, Pathline, Chan Balum	12
30Jan82-5Hia	6f :22 :45 1:103ft	31 116	86 68 47 44 1/2	Soto S B ⁸	Aw13000	86	Thr A Strw, Compo's Tmpo, Glford Rd	10
23Jan82-5Hia	6f :214 :443 1:10 ft	50 116	32 52 67 811	Soto S B ¹	Aw13000	82	Cut Away, Frank Gomez, Star Choice	12
9Jan82-5Hia	6f :222 :46 1:112ft	22 116	2 43 76 78 1/2	Smith A Jr ⁷	Aw13000	77	Angel Bike, Cut Away, Court Scene	12
8Jly81-9Crc	5 1/2f :223 :471 1:071ft	3 116	2hd 3nk 34 511	Cohen G ⁶	Aw9500	78	Smrt Ali, Victorin Line, Intrepid Chgr	6
12Jun81-5Crc	5f :223 :462 :593ft	*3-2 117	1hd 2hd 22 44 1/2	Beuviere J L ²	Aw9500	89	Center Cut, Smart Ali, Victorian Line	6

May 25 SA 4f ft :49 h

Apr 12 Crc 5f ft 1:02 h

Apr 6 Crc 5f ft 1:02 h

Apr 1 Crc 4f ft :50 h

Two long shots, Nat's Penny and Gringo Jim, dominated the race and finished one-two when both Insearchof and Jet Pirate, who were vying for the lead at the stretch, faded. Luckily, Insearchof held on for third and paid \$3.80 for show. Jet Pirate finished fourth. The \$3.80 payoff for show on the 5—2 shot Insearchof was again a combination of two factors: At a 1.08 expected value it was a reasonably good bet, and the one-two finishers in the race went off at 28—1 and 26—1 odds, respectively. My \$50 bet returned \$95, for a profit of \$45. The chart of the race was as follows:

FIFTH RACE

Hollywood

MAY 30, 1982

6 FURLONGS. (1.07½) CLAIMING. Purse \$18,000. 3-year-olds. Weight, 122 lbs. Non-winners of two races since March 28 allowed 3 lbs.; a race since then, 6 lbs. Claiming price \$40,000; for each \$2,500 to \$35,000 allowed 2 lbs. (Races when entered for \$32,000 or less not considered.)

Value of race \$18,000, value to winner \$9,900, second \$3,600, third \$2,700, fourth \$1,350, fifth \$450. Mutuel pool \$294,266. Exacta Pool \$454,047.

Last Raced	Horse	Eqt.	A.Wt	PP	St	¼	½	Str	Fin	Jockey	Cl'g	Pr	Odds \$1
4May82 6GG7	Nat's Penny	b	3 115	8	2	8hd	4hd	31½	1hd	Delahoussaye E	37500		28.10
3Apr82 5SA8	Gringo Jim		3 117	9	1	6hd	63	53	2nk	Pincay L Jr	40000		26.80
22May82 3Hol2	Insearchof	b	3 116	3	10	1hd	2½	1½	33½	McHargue D G	40000		2.50
9May82 5Hol4	Jet Pirate	b	3 116	4	4	3hd	32½	2hd	41½	Sibille R	40000		2.30
22May82 3Hol3	Familiar Tune		3 112	2	9	2hd	1½	4½	51½	Ortega L E	35000		17.60
8Apr82 9SA10	Ramble on John	b	3 116	1	7	10	7½	74	6½	Ramirez O	40000		56.70
15May82 2Hol10	Extra Quick	b	3 116	5	8	97	53	62½	73	Castaneda M	40000		8.00
12May82 5Hol5	Spectacular Bee	b	3 116	10	3	7½	97	98	87	McCarron C J	40000		3.50
28Apr82 8GG5	Murtazz	b	3 116	7	5	4½	8hd	8½	9	Lipham T	40000		48.00
20Feb82 2SA5	Distant Gem	b	3 116	6	6	5hd	10	10	—	Valenzuela P A	40000		8.40

Distant Gem, Eased.

OFF AT 3:46 Start good. Won driving. Time, :22½, :45½, :58½, 1:11½ Track fast.

\$2 Mutuel Prices:

8-NAT'S PENNY

9-GRINGO JIM

3-INSEARCHOF

58.20

20.60

10.60

20.00

8.40

3.80

\$5 EXACTA 8-9 PAID \$1,433.00

Ch. g, by L'Natural—Quinto Penny, by Catchpenny II. Trainer West Ted. Bred by Warwick G M (Cal).

NAT'S PENNY, never far back, rallied between horses on the turn, challenged outside the leaders in the upper stretch and outfinished rivals in the final sixteenth. GRINGO JIM, in contention while forced to stay wide early, rallied strongly in the middle of the track through the stretch but missed. INSEARCHOF vied for the lead from the outset, continued to respond in the final drive but could not get up. JET PIRATE forced the pace between horses to the final furlong, drifted slightly in behind INSEARCHOF in the stretch and steadied momentarily. The stewards lit the inquiry sign but after reviewing the videotapes of the stretch run, allowed the finish to stand. FAMILIAR TUNE set or forced the early pace inside INSEARCHOF and weakened in the final furlong. RAMBLE ON JOHN, awkward gaining stride after the start, did not reach contention. EXTRA QUICK saved ground to no avail. SPECTACULAR BEE forced to stay wide into the turn, lacked a rally. DISTANT GEM was eased in the final sixteenth.

Owners— 1, Warwick G M; 2, Tartan Stable; 3, Gaskill-Lewis et al; 4, Cavanagh Mr-Mrs T M; 5, Sugich D or Jane; 6, Priddy R or Ann; 7, Four D Stable; 8, Twin W Stable; 9, Cashman E C; 10, Marshall Mr-Mrs F.

Overweight: Nat's Penny 1 pound; Gringo Jim 1.

Distant Gem was claimed by Winning Ways Stable; trainer, Mitchell Mike.

Scratched—Checker's Orphan (16May82 1Hol6).

The sixth race was among lightly raced maidens, including several horses making their first start. Since there were no standouts (for example, a horse that consistently finished in the money and had done so recently), I decided to avoid the risk and skip this race.

The seventh race was on the turf. The consensus picks were Fast, Pirate Law, and Moonball. However, my preference was for Patti's Triumph, who was the public's fourth choice at 4—1. Patti's Triumph had finished in the money in four of the last five races against similar-quality opposition. His only finish out of the money was in a major handicap race at a longer distance. He had been leading the race, then faded to fourth at the finish. This fading was typical of most of Patti's Triumph's races. Normally, his lead

was sufficiently good to compensate for his late fading so that he still finished well. The odds were quite good, with an expected value of 1.12, or nearly a Dr. Z system bet, when I bet with one minute to post time. The final tote board was as follows:

	Totals	#6 Patti's Triumph
Odds		4—1
Win	182,509	28,241
Show	48,202	5,171

indicating an expected value per dollar bet of 1.14.

Patti's Triumph got a poor start and was in the race in second or third position until the stretch. He then faded to fourth. The three favorites finished in the money. I had a \$50 loss on this race. The chart of the race was as follows:

SEVENTH RACE

Hollywood

MAY 30, 1982

1 1/8 MILES.(turf). (1.39%) ALLOWANCE. Purse \$40,000. 4-year-olds and upward. Non-winners of \$18,000 twice since July 20. Weight, 121 lbs. Non-winners of \$22,000 at a mile or over since April 1 allowed 3 lbs.; such a race of \$19,500 since December 5, 5 lbs.; such a race since July 20, 7 lbs. (Claiming and starter races not considered.)

Value of race \$40,000, value to winner \$22,000, second \$8,000, third \$6,000, fourth \$3,000, fifth \$1,000. Mutuel pool \$305,904. Exacta Pool \$482,464.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
22May82 5Hol2	Pirate Law	b	5	114	3	4	41 1/2	51 1/2	4hd	21 1/2	1hd	Valenzuela P A	a-3.00
28Dec80 8SA3	Fast	b	6	114	5	6	65	66	52 1/2	1hd	21 1/2	McCarron C J	2.60
14May82 8Hol1	Moon Ball		6	115	7	8	83	81 1/2	810	5 1/2	3 1/2	Castaneda M	4.20
22May82 5Hol3	Patti's Triumph	b	5	118	6	5	53	3hd	21 1/2	3hd	42	Hawley S	4.40
16May82 8Hol7	Sunny Winters	b	5	116	4	9	9	9	6hd	6hd	53 1/2	Delahoussaye E	16.20
14May82 8Hol4	Confetti		5	117	9	7	72	71	72	75	61	Pincay L Jr	10.30
22May82 5Hol6	Haughty But Nice		4	115	1	1	1 1/2	1hd	1hd	42	710	McHargue D G	11.90
23May82 8GG6	Golden Flak	b	4	114	8	2	3 1/2	41 1/2	3hd	815	817	Hansen R D	a-3.00
25Apr82 7Hol7	Another Realm	b	4	114	2	3	2 1/2	2hd	9	9	9	Gilligan L	15.90

a-Coupled: Pirate Law and Golden Flak.

OFF AT 4:48. Start good. Won driving. Time, :22, :45 1/5, 1:10 1/5, 1:34 1/5, 1:41 Course firm.

\$2 Mutuel Prices:

1-PIRATE LAW (a-entry) -----

5-FAST -----

7-MOON BALL -----

8.00

3.20

2.20

4.00

2.60

3.00

\$5 EXACTA 1-5 PAID \$73.50.

B. h, by Ruffled Feathers—Patio II, by Court Martial. Trainer Barrera Lazaro S. Bred by M Polinger Estate (Fla).

PIRATE LAW saved ground in good position to the far turn, remained on the rail to lodge his bid in the stretch and outfinished FAST in the final sixteenth. The latter lacked early speed, rallied outside horses around the final turn, got the lead a furlong out but could not outfinish the winner. MOON BALL, outrun for six furlongs, rallied wide into the stretch but finished strongly. PATTI'S TRIUMPH, in contention between horses to the stretch, weakened in the final furlong. CONFETTI, never a factor, appeared lame pulling up following the finish. HAUGHTY BUT NICE set or forced the pace to the final furlong and faltered. GOLDEN FLAK was forced wide at the clubhouse turn, remained in contention on the outside to the stretch but tired quickly thereafter. ANOTHER REALM lugged out on both turns.

Owners— 1, Barrera & Jones Mmes; 2, Hunt & Pascoe III; 3, Perdomo & Pulliam; 4, Grutman D S; 5, Tresvant Stable; 6, Mirkin-Mirkin-Pacifica; 7, Daniels Mrs T L; 8, Barrera & Saiden; 9, Goldstein Margaret.

Overweight: Moon Ball 1 pound; Confetti 3; Haughty But Nice 1.

The eighth race was the featured race of the day: the Los Angeles Handicap. The field was headed by Never Tabled and Remember John. Never Tabled had not raced until he was a five-year-old. But in his four career races, all at Santa Anita and Hollywood Park in April and May of 1982, he

had had three wins and a second against strong competition with fast times. Remember John had performed brilliantly in his two-year career. This year he had had four wins and a second with speed ratings from 92 to 99. He was coming to the Los Angeles Handicap with four consecutive wins and post position 1. The race also featured such strong horses as Shanekite and Petro D. Jay. Pompeii Court was scratched.

The *Daily Racing Form* consensus and the crowd favored Never Tabled, with Remember John second. My preference was for Remember John if the odds were good. He seemed more proven and reliable. Never Tabled was running with a longer time between starts than he had before. This, plus the post-position disadvantage, and Never Tabled's brief four-race career gave the nod to Remember John.

8th Hollywood



6 FURLONGS. (1.07 $\frac{3}{4}$) 30th Running of THE LOS ANGELES HANDICAP (Grade III). \$75,000 added. 3-year olds and upward. By subscription of \$100 each, which shall accompany the nomination, \$750 additional to start, with \$75,000 added, of which \$15,000 to second, \$11,250 to third, \$5,625 to fourth and \$1,875 to fifth. Weights Tuesday, May 25. Starters to be named through the entry box by closing time of entries. A trophy will be presented to the owner of the winner. Closed Wednesday, May 19, 1982 with 13 nominations.

Remember John

Own.—Sheridan Mr—Mrs J

B. g. 3, by The Irish Lord—Yoweee, by Crozier							
Br.—Valenti P (Cal)							1982 5 4 1 0 \$113,100
Tr.—Vienna Darrell							1981 6 1 2 1 \$52,900
115	Lifetime	11	5	3	1	\$166,000	
16May82-6Hol	5f :212 :44 :56 ft	6-5	116	1hd 1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	DelhoussyeE1 Aw37000 99 RemembrJohn,Unklt,Trrsto'sSingr 7
1May82-7Hol	6f :22 :442 1:083ft	*3-5	122	2hd 1hd	11	1 $\frac{1}{2}$	McCrronCJ4 Debonair 94 RemmbrJohn,ArtDirctor,RingProud 5
31Mar82-8SA	6 $\frac{1}{2}$ f :213 :441 1:151ft	3	117	1 $\frac{1}{2}$ 1hd	1 $\frac{1}{2}$	1 $\frac{1}{2}$	DelhoussyeE1 Baldwin 94 RmmbrJohn,TmToExplod,CrystlStr 7
21Mar82-4SA	6 $\frac{1}{2}$ f :212 :44 1:152ft	*2-3	115	1 $\frac{1}{2}$ 11	13	15	DelhoussyeE1 Aw20000 93 RemembrJohn,ClticSbr,EstrSrmon 6
17Feb82-8SA	6f :212 :434 1:083ft	20	117	1hd 21	22 $\frac{1}{2}$	23	DlhoussyeE6 Blsa Chca 92 TmToExplod,RmmbrJohn,JornytS 10
9Sep81-8Dmr	1 :453 1:111 1:372ft	10	117	1hd 1hd	51 $\frac{1}{2}$	97 $\frac{1}{2}$	McCarronCJ8 Dmr Fut 73 GatoDelSol,TheCaptain,RingProud 10
26Aug81-8Dmr	1 :454 1:103 1:364ft	6 $\frac{1}{2}$	117	1 $\frac{1}{2}$ 11 $\frac{1}{2}$	2hd	55 $\frac{1}{2}$	Toro F6 Balboa 78 TheCaptain,DistantHeart,GtoDelSol 9
12Aug81-8Dmr	6f :22 :45 1:11 ft	*4-5	120	1hd 1 $\frac{1}{2}$	1hd	31	McCarronCJ5 De Anza 82 King'sFinder,Heln'sBu,RmmbrJohn 5
29Jly81-8Dmr	6f :221 :452 1:104ft	*4-5	114	1 $\frac{1}{2}$ 1 $\frac{1}{2}$	12 $\frac{1}{2}$	11 $\frac{1}{2}$	McCrrCJ5 Gradution 84 RemmbrJohn,King'sFindr,DistntHrt 9
18Jy81-8Hol	6f :213 :444 1:102ft	19	115	2hd 2hd	1 $\frac{1}{2}$	2hd	Toro F10 Hol Juv 85 TheCptin,RememberJohn,Hln'sBu 12
May 28 Hol 3f ft :352 h		May 23 Hol 5f ft :593 h		May 14 Hol 3f ft :353 h		May 9 Hol 4f ft :473 h	

Shanekite

Own.—Udko Selma

B. c. 4, by Hoist Bar—Win Shane, by Anyoldtime							
Br.—Udko Selma (Cal)							1982 6 0 3 0 \$40,925
Tr.—Landers Dale							1981 10 6 0 0 \$161,000
117	Lifetime	22	8	5	0	\$224,050	Turf 1 0 1 0 \$12,000
16May82-6Hol	5f :212 :44 :56 ft	*6-5	119	57 $\frac{1}{2}$ 57 $\frac{1}{2}$	56 $\frac{1}{2}$	55 $\frac{1}{2}$	Hawley S6 Aw37000 93 RemembrJohn,Unklt,Trrsto'sSingr 7
8May82-8Hol	7f :214 :44 1:21 ft	*1	117	67 $\frac{1}{2}$ 54 $\frac{1}{2}$	31 $\frac{1}{2}$	22	HwleyS7 Trple Bend H 90 NeverTbled,Shnekite,PompeiiCourt 7
17Apr82-8SA	a6 $\frac{1}{2}$ f ①:21 :4311:13 fm	7 $\frac{1}{2}$	118	65 $\frac{1}{2}$ 62 $\frac{1}{2}$	3 $\frac{1}{2}$	21 $\frac{1}{2}$	Hawley S1 Sn Simn H 92 Shagbark, Shanekite, Belfort 8
24Mar82-8SA	5 $\frac{1}{2}$ f :213 :442 1:021ft	4 $\frac{1}{2}$	118	— —	—	—	HawleyS6 El Conejo H — ToB.OrNot,Belfort,Terresto'sSinger 8
24Mar82—Lost rider							
9Jan82-8SA	7f :213 :434 1:204ft	3 $\frac{1}{2}$	119	43 $\frac{1}{2}$ 41 $\frac{1}{2}$	89	812	Hawley S6 Sn Crlos H 84 Solo Guy,King Go Go, Smokite 8
3Jan82-8SA	7f :221 :454 1:26 hy	*8-5	120	51 $\frac{1}{2}$ 1 $\frac{1}{2}$	2 $\frac{1}{2}$	26	Hawley S6 Malibu 64 Island Whirl, Shanekite, It'stheOne 8
19Dec81-8Hol	7f :212 :434 1:213ft	*4-5	117	41 $\frac{1}{2}$ 41 $\frac{1}{2}$	11	12 $\frac{1}{2}$	Hawley S4 Yuletide H 89 Shanekite, FlyingChick,IslandWhirl 5
28Nov81-8Hol	1 :48 1:13 1:384m	3 $\frac{1}{2}$	113	1hd 1 $\frac{1}{2}$	3 $\frac{1}{2}$	42 $\frac{1}{2}$	Hawley S4 Ntv Dvr H 69 Syncopate, King Go Go, Wickerr 6
11Nov81-8Hol	6f :213 :441 1:081ft	2 $\frac{1}{2}$	114	52 $\frac{1}{2}$ 11	14	12 $\frac{1}{2}$	HawleyS8 Sprnt Chmp 96 Shanekite,Syncopate,BigPresenttion 8
11Nov81—Run in two divisions, 8th & 9th races.							
29Oct81-7SA	6f :22 :443 1:09 ft	*4-5	118	22 $\frac{1}{2}$ 22 $\frac{1}{2}$	2hd	15	Hawley S1 Aw34000 93 Shnekite,ImportntMemo,NtivFisrh 7
May 22 Hol 4f ft :473 hg		Apr 30 Hol 6f ft 1:142 h		Apr 24 SA 4f ft :494 h		Apr 13 SA ① 5f yl 1:04 h (d)	

Pompeii Court

Own.—Lewyk & Crowe

B. h. 5, by Tell—Port Damascus, by Damascus

Br.—Keck H B (Ky)

Tr.—Anderson Laurie N

1982 5 2 0 2 \$54,300

1981 16 5 5 3 \$45,954

116

Lifetime 25 9 7 5 \$105,134

8May82-8Hol	7f	:214	:44	1:21 ft	3 $\frac{1}{2}$	116	3 $\frac{1}{2}$	21	21 $\frac{1}{2}$	32	ShmrW6	Trple Bend H	90	NeverTbled,Shnekite,PompeiiCourt	7
7Mar82-3SA	1	:443	1:083	1:342ft	*2 $\frac{1}{2}$	116	2 $\frac{1}{2}$	11	11	1hd	Hawley S1	Aw40000	97	PompCourt,KngrooCourt,SonofDodo	7
18Feb82-7SA	1	:451	1:09	1:333ft	11	114	1 $\frac{1}{2}$	11	13	14 $\frac{1}{2}$	Hawley S2	Aw32000	101	PompeiiCourt,QuntumLep,Western	8
5Feb82-7SA	6 $\frac{1}{2}$ f	:212	:433	1:15 ft	11	115	42 $\frac{1}{2}$	42 $\frac{1}{2}$	43	33 $\frac{3}{4}$	Sibille R5	Aw32000	91	VictorySmpl,BondRullh,PompCourt	8
20Jan82-5SA	7f	:214	:45	1:244sy	4 $\frac{1}{2}$	115	2hd	1hd	1hd	42	Sibille R1	Aw32000	74	Gristle,QuntumLep,AnswertoMusic	5
18Dec81-7Hol	6f	:214	:443	1:093ft	9	115	3nk	3nk	32	55	Sibille R6	Aw30000	84	Hacwind,BennyBob,CrestoftheWve	7
9Dec81-7Hol	6 $\frac{1}{2}$ f	:221	:45	1:154ft	5 $\frac{1}{2}$	116	1hd	1 $\frac{1}{2}$	12	11 $\frac{1}{2}$	Sibille R2	Aw25000	91	PompeiiCourt,KngrooCourt,Dorcro	8
27Nov81-7Hol	6 $\frac{1}{2}$ f	:223	:453	1:183sy	*3	115	1hd	11 $\frac{1}{2}$	21 $\frac{1}{2}$	2 $\frac{3}{4}$	Sibille R4	Aw25000	76	DndyWit,PompeiiCourt,Sli'sRoylDrm	8
13Nov81-7Hol	6f	:22	:443	1:084ft	15	115	1hd	2 $\frac{1}{2}$	2 $\frac{1}{2}$	34 $\frac{1}{2}$	Sibille R1	Aw26000	89	Hcwind,KngrooCourt,PompeiiCourt	8
17Oct81-8StP	6f	:222	:451	1:101ft	*9-5	118	55 $\frac{1}{2}$	54 $\frac{1}{2}$	35	44	Garcia C1	Aw6500	94	Kinlin,Flashys Champ,ThreeforYou	7

May 21 Hol 5f ft 1:004 h

May 3 Hol 6f ft 1:131 h

Apr 23 SA 6f ft 1:121 h

Apr 16 SA 4f ft :483 h

Petro D. Jay

Own.—Ottley R

Dk. b. or br. g. 6, by Tudor Grey—Mucho Petro, by Distillate

Br.—Synhorst W (Neb)

Tr.—Bradshaw Randy K

1982 5 2 1 0 \$13,410

1981 13 6 2 2 \$53,210

116

Lifetime 29 11 4 2 \$85,755

9May82-9TuP	6f	:213	:432	1:071ft	*1-5	120	11 $\frac{1}{2}$	13	16	112	Renteria S4	Aw3325	101	Petro D. Jay, Pelemise, Jared Fox	5
4Apr82-10TuP	6f	:211	:431	1:091ft	*2-5	120	11	1hd	11	1nk	Powell J P1	Express H	91	Petro D. Jay, No Pomp, Maui Star	7
13Mar82-7SA	6f	:221	:452	1:103gd	12	114	1hd	31 $\frac{1}{2}$	68	711	Hulet L6	Aw35000	74	Belfort, Mad Key, A Run	10
21Feb82-10TuP	6f	:212	:433	1:091ft	6 $\frac{1}{2}$	112	86 $\frac{1}{2}$	67	36	47	Hulet L3	Phx Gd Cp	84	Imperial Lass, Mad Key, Bold Ego	9
6Feb82-10TuP	6f	:212	:431	1:08 ft	*1-2	114	11	11	11	2 $\frac{3}{4}$	Hulet L2	Aw3900	96	Mad Key, Petro D. Jay, Bobby Ben	7
13Sep81-11Pom	6f	:211	:442	1:102ft	*8-5	117	2hd	2hd	31	55 $\frac{1}{2}$	Rosales R4	Gov Cp H	86	MrblCourt,Murrthblurr,AmnBrothr	5
5Sep81-8Sac	5 $\frac{1}{2}$ f	:213	:434	1:021ft	*2-3	119	1 $\frac{1}{2}$	2hd	2 $\frac{1}{2}$	34 $\frac{1}{2}$	Hamilton M2	HcpO	94	SrPortRulr,GryMoonRnnr,PtroD.Jy	4
1Aug81-11SR	6f	:22	:442	1:083ft	*7-5	118	2hd	1 $\frac{1}{2}$	1hd	1hd	SrnsnJJ5	Ernst Fnly H	101	PetroD.Jy,RomnOblisk,SirPortRulr	7
19Jly81-11Sol	5 $\frac{1}{2}$ f	:212	:433	1:022ft	*1-2	116	1hd	1 $\frac{1}{2}$	11	2 $\frac{1}{2}$	Sorenson J J4	Aw12000	100	SirPortRuler,PetroD.Jay,BeauBlade	6
4Jly81-11Pln	6f	:22	:442	1:091ft	*6-5	121	1hd	2hd	44 $\frac{1}{2}$	611	SrnsJJ4	Whtng Mm H	87	ThnkYoWlkr's,KnConty,ImSdwndr	6

● May 27 Hol 4f ft :453 h

● May 6 TuP 4f ft :45 h

Cool Frenchy

Own.—Lichlyter Dr or Mrs F E

Dk. b. or br. h. 7, by French Policy—Cool Persian, by Persia

Br.—Lichlyter Mary Ada (Cal)

Tr.—Lichlyter Mary A

1982 1 0 0 0

1981 13 3 2 3 \$79,930

112

Lifetime 45 10 8 5 \$201,924

Turf 3 0 0 0 \$2,200

16May82-6Hol	5f	:212	:44	:56 ft	8 $\frac{1}{2}$	1095	33 $\frac{1}{2}$	33	44	78 $\frac{1}{2}$	Garcia J J3	Aw37000	90	RemembrJohn,Unklr,Trrsto'sSingr	7
4Jly81-11Pln	6f	:22	:442	1:091ft	8-5	122	3 $\frac{1}{2}$	31 $\frac{1}{2}$	34	45 $\frac{1}{2}$	BzeRA5	Whtng Mm H	92	ThnkYoWlkr's,KnConty,ImSdwndr	6
20Jun81-7Hol	6f	:214	:444	1:093ft	3 $\frac{3}{4}$	114	1hd	1hd	31	35 $\frac{1}{2}$	Olivares F5	Aw36000	84	Rb'sGoldnAl,GrndAllnc,CoolFrnchy	6
11Jun81-8Hol	6f	:214	:443	1:09 ft	3 $\frac{1}{2}$	114	1 $\frac{1}{2}$	1 $\frac{1}{2}$	11	2 $\frac{1}{2}$	Olivares F7	Aw36000	91	FlyingChick,CoolFrenchy,ThCrpnr	8
25May81-7Hol	5f	:212	:44	:56 ft	10	113	1 $\frac{1}{2}$	2hd	22 $\frac{1}{2}$	43 $\frac{1}{2}$	Lipham T7	Aw40000	95	I'm Smokin,Back'nTime,Syncopate	9
20May81-7Hol	6f	:214	:442	1:084ft	2 $\frac{1}{2}$	114	1 $\frac{1}{2}$	12	2 $\frac{1}{2}$	54 $\frac{3}{4}$	Mena F2	Aw36000	88	Destroyer, Shady Fox, Rich Doctor	6
25Apr81-8GG	7 $\frac{1}{2}$ f	:224	:46	1:28 fm	5 $\frac{1}{2}$	117	1hd	1 $\frac{1}{2}$	2 $\frac{1}{2}$	54 $\frac{3}{4}$	Toro F2	Tly Pp Inv H	95	His Honor, Police Inspector, Josher	9
7Apr81-8GG	6f	:222	:443	1:091ft	*2-3	120	1hd	1 $\frac{1}{2}$	11 $\frac{1}{2}$	1 $\frac{1}{2}$	Mena F5	Aw20000	93	CoolFrenchy,†LotoCnd,ChrlySutton	5
25Mar81-8SA	5 $\frac{1}{2}$ f	:214	:441	1:022ft	11	115	12	12	2hd	31 $\frac{1}{2}$	Mena F9	El Conejo H	100	ToBOrNot,SmmrTmGy,ColFrnchy	11
10Mar81-8GG	6f	:22	:442	1:083ft	2 $\frac{1}{2}$	122	11 $\frac{1}{2}$	11	13	15	Mena F2	Aw20000	96	CoolFrenchy,MightyMixup,Mrketti	5

May 26 Hol 6f ft 1:152 h

May 12 Hol 5f ft :593 hg

● May 7 Hol 4f ft :461 h

May 2 Hol 4f ft :472 h

Beach Walk *

Own.—Knapp P R

Ro. g. 5, by Windy Sands—Squishie, by Gaelic Dancer

Br.—Old English Rancho (Cal)

Tr.—Villagomez Jaime

1982 10 2 5 1 \$52,890

1981 7 3 1 1 \$28,950

113

Lifetime 32 7 9 3 \$100,405

23May82-7Hol	6f	:22	:444	1:092ft	5 $\frac{1}{4}$	1095	2hd	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	Steiner J J5	Aw32000	89	ShadyFox,BeachWalk,AmenBrother	7
8May82-3Hol	6f	:221	:444	1:084ft	3	1095	11	11 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Steiner J J4	Aw26000	93	BeachWik,MsterWrrrior,ChpelCreek	8
29Apr82-8Hol	6f	:22	:443	1:082ft	3	1095	11	1 $\frac{1}{2}$	2 $\frac{1}{2}$	22 $\frac{1}{2}$	Steiner J J5	Aw26000	92	LaughingBoy,BeachWalk,Redoutble	7
18Apr82-3SA	6 $\frac{1}{2}$ f	:212	:441	1:142ft	7 $\frac{1}{2}$	1095	1 $\frac{1}{2}$	1hd	2hd	21 $\frac{1}{2}$	Steiner J J5	45000	96	NaynoBay,BeachWalk,Incorporator	6
11Apr82-1SA	6f	:214	:451	1:094sy	7	116	11	1 $\frac{1}{2}$	1hd	2nk	Ortega L E4	40000	89	NaynoBay,BechWik,SupremeGlow	12
21Mar82-1SA	6f	:214	:444	1:091ft	13	114	2hd	2hd	22	34 $\frac{1}{2}$	Asmussen C B4	45000	87	Fingal, Incorporator, Beach Walk	8
12Mar82-6SA	6f	:224	:47	1:13 sl	3	1115	12	11 $\frac{1}{2}$	2 $\frac{1}{2}$	1nk	Steiner J J3	32000	73	BeachWalk,Chnnon'sBrother,I'vPet	4
6Mar82-4GG	6f	:22	:443	1:093ft	3 $\frac{1}{4}$	114	1hd	2hd	3 $\frac{1}{2}$	42 $\frac{1}{2}$	Meza R Q4	35000	88	Cross Flags, Ono Bret, Johnny Iver	5
26Feb82-8GG	6f	:221	:443	1:092ft	3	115	1hd	32	66	710	Burkes T3	Aw15000	82	Ineffble,FerlessBedeux,TudorGrove	7
5Feb82-8BM	6f	:214	:441	1:09 ft	13	114	21 $\frac{1}{2}$	23	23 $\frac{1}{2}$	23 $\frac{1}{2}$	Meza R Q7	Aw16000	91	Coyotero,BeachWalk,PleasantPower	7

May 16 Hol 4f ft :483 h

Apr 26 Hol 4f ft :494 h

Apr 5 SA 5f ft :593 h

Apr 1 SA tr.t 4f sy :51 h

Never Tabled

Own.—Wygod M J

Dk. b. or br. h. 5, by Never Bend—Table Flirt, by Round Table

Br.—Wygod M. J (Ky)

Tr.—Mandella Richard

1982 4 3 1 0 \$55,950

1980 0 M 0 0

116

Lifetime 4 3 1 0 \$55,950

8May82-8Hol	7f	:214	:44	1:21 ft	5	112	1 $\frac{1}{2}$	11	11 $\frac{1}{2}$	12	McCrrCJ1	TrpleBendH	92	NeverTbled,Shnekite,PompeiiCourt	7
2May82-3Hol	6f	:223	:444	1:084ft	*2-5	120	31 $\frac{1}{2}$	22	22 $\frac{1}{2}$	2no	McCarronCJ2	Aw22000	93	Jenny'sDvid,NeverTbled,StrikItBig	5
15Apr82-7SA	6f	:214	:444	1:09 ft	*1	120	2 $\frac{1}{2}$	2hd	12	15 $\frac{1}{2}$	McCarronCJ7	Aw19000	93	Never Tabled, Santir, TonysLanding	9
2Apr82-6SA	6f	:214	:45	1:101ft	2 $\frac{3}{4}$	118	32	31	12 $\frac{1}{2}$	18	Pincay L Jr2	Mdn	87	NeverTbled,Hwkire,SpnishNugget	10

May 28 Hol 3f ft :35 h

May 24 Hol 6f ft 1:134 h

● Apr 26 SA 6f ft 1:112 h

Apr 11 SA 5f ft 1:021 h

Terresto's Singer *										Dk. b. or br. g. 5, by Terresto—Sweet Canary, by No Robbery																																
Own.—Tschudi & Wong										Br.—Valenti P (Cal)																																
113										Tr.—Goodwin Floyd C																																
Lifetime										18	3	3	4	\$52,300																												
16May82-6Hol										5f	:212	:44	:56 ft	21	115	45½	43½	33	34½	McHrgueDG4	Aw37000	95	RemembrJohn,Unklt,Trrsto'sSngr	7																		
8May82-3Hol										6f	:221	:444	1:084ft	8½	116	41½	31½	55½	56	Jin D8	Aw26000	87	BeachWlk,MsterWrrrior,ChpelCreek	8																		
17Apr82-8SA										a6½f	Ⓢ:21	:43	1:13 fm	47	115	2hd	2hd	75	819	Jin D4	Sn Simn H	75	Shagbark, Shanekite, Belfort	8																		
24Mar82-8SA										5½f	:213	:442	1:021ft	29	115	3nk	2hd	3nk	34½	Jin D8	El Conejo H	96	ToB.OrNot,Belfort,Terresto'sSinger	8																		
14Mar82-7SA										6½f	:213	:443	1:182sy	6½	115	11	13½	15	11½	Jin D4	Aw26000	78	Trrsto'sSngr,MstrWrrror,H'sSmthng	6																		
25Feb82-4SA										6f	:212	:441	1:091ft	26	116	32½	32	2hd	2½	Jin D4	25000	91	Devon, Terresto's Singer,NaynoBay	7																		
16Jan82-1SA										6f	:214	:441	1:092ft	21	118	1hd	13	22½	34	Jin D8	20000	87	Ggntc,Truxton'sDobl,Trrsto'sSngr	12																		
9Jan82-1SA										6f	:213	:444	1:092ft	25	118	31	61½	77½	815	Jin D1	25000	76	WnwoodHost,Dcodd,ConslorCoony	9																		
5Dec81-1Hol										6f	:22	:453	1:11 ft	18	119	12	1hd	23	411	Jin D9	25000	71	Decoded, GummoJoe,AlwaysProper	9																		
7Nov81-9LA										6f	:213	:443	1:103ft	9	120	1hd	11½	31	89½	Jin D8	Aw24000	82	Now and Then,BronzeStar,Graben	10																		
May 28 Hol 3f ft										:344 h			May 23 Hol 6f ft 1:133 h										May 6 Hol 3f ft :35 h										Apr 25 Hol 6f ft 1:14 h									

The show odds on Remember John were quite good throughout the betting period. With one minute to post time the expected value was 1.15, qualifying it as a Dr. Z system bet. The tote board was

		#1
	Totals	Remember John
Odds		2—1
Win	386,787	105,775
Show	50,581	9,430

Instead of making my \$50 bet, I made a Dr. Z system bet. I had brought \$2,000 with me to the track. Of this I reserved \$250 for my \$50 bets, so my betting fortune was \$1,750. The optimal Dr. Z system bet was \$121. There was some last-minute betting on Remember John. However, his show odds were nearly the same at post time, with an expected value of 1.12. The tote board at post time read

		#1
	Totals	Remember John
Odds		2—1
Win	439,354	121,364
Show	56,794	11,311

It was a very consistent race, as the following chart indicates. Remember John ran a creditable race, always in second position, but he could not catch the long shot, Terresto's Singer. With Never Tabled out of the money, the payoff to show on the Dr. Z system bet on Remember John was a handsome \$3.40. My \$121 bet returned \$205.70, for a profit of \$84.70.

EIGHTH RACE Hollywood MAY 30, 1982

6 FURLONGS. (1.07½) 30th Running of THE LOS ANGELES HANDICAP (Grade III). \$75,000 added. 3-year olds and upward. By subscription of \$100 each, which shall accompany the nomination, \$750 additional to start, with \$75,000 added, of which \$15,000 to second, \$11,250 to third, \$5,625 to fourth and \$1,875 to fifth. Weights Tuesday, May 25. Starters to be named through the entry box by closing time of entries. A trophy will be presented to the owner of

the winner. Closed Wednesday, May 19, 1982 with 13 nominations.

Value of race \$81,550, value to winner \$47,800, second \$15,000, third \$11,250, fourth \$5,625, fifth \$1,875. Mutuel pool \$647,017.

Last Raced	Horse	Eqt.	A.	Wt	PP	St	¼	½	Str	Fin	Jockey	Odds \$1
16May82 6Hol3	Terresto's Singer	5	113	7	1		1½	12½	12	1nk	Valenzuela P A	46.60
16May82 6Hol1	Remember John	3	115	1	4		21½	22½	23½	23	Delahoussaye E	2.00
9May82 9TuP1	Petro D. Jay	6	116	3	5		43	43	3hd	3no	Castaneda M	7.20
16May82 6Hol5	Shanekite	b	4	117	2	7	7	7	5hd	4½	Hawley S	5.10
23May82 7Hol2	Beach Walk	b	5	113	5	3	61½	5hd	42½	51	Steiner J J	27.70
8May82 8Hol1	Never Tabled	5	116	6	6		5hd	6½	63	68	McCarron C J	1.00
16May82 6Hol7	Cool Frenchy	7	113	4	2		3½	3½	7	7	Aragon J	49.00

OFF AT 5:19. Start good. Wen driving. Time, :21, :43½, :55½, 1:09½. Track fast.

\$2 Mutuel Prices:

8-TERRESTO'S SINGER	95.20	18.00	5.00
1-REMEMBER JOHN		4.20	3.40
4-PETRO D. JAY			4.20

Dk. b. or br. g. by Terresto—Sweet Canary, by No Robbery. Trainer Goodwin Floyd C. Bred by Valenti P (Cal).

TERRESTO'S SINGER outsprinted REMEMBER JOHN from the gate, drew well clear on the turn, then gamely held that one safe through the final sixteenth. REMEMBER JOHN, unable to keep pace with the winner on the turn, rallied gamely under strong handling in the final furlong and was getting to the winner at the end. PETRO D. JAY went evenly and without apparent mishap. SHANEKITE passed tired horses in the stretch. NEVER TABLED stumbled a stride out of the gate and failed to mount a threat. COOL FRENCHY tired in the stretch.

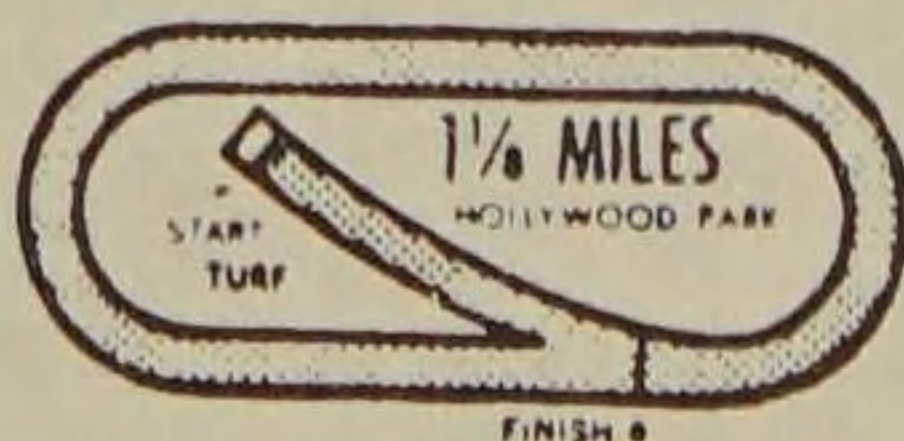
Owners— 1, Tschudi & Wong; 2, Sheridan Mr-Mrs J; 3, Ottley R; 4, Udco Selma; 5, Knapp P R; 6, Wygod M J; 7, Lichlyter Dr or Mrs F E.

Overweight: Cool Frenchy 1 pound.

Scratched—Pompeii Court (8May82 8Hol3).

The final race of a day's card often contains a good bet—a top horse who is heavily bet to win but is overlooked to place or show. With the cumulative losses of the day mounting for most bettors, a show bet on such a horse provides little hope of salvaging the day. Heart Beat was such a horse in the ninth race. He was the top choice of all the *Daily Racing Form's* consensus experts and their best bet of the day, with a rating of 29 out of a possible 35. The next-rated horse had a 5! Heart Beat had run recently at Hollywood, finishing second. With Laffit Pincay, Jr. on board again, he looked like an excellent prospect. The crowd bet Heart Beat down to a 6—5 favorite. His show odds were good, with an expected value in the 1.10–1.15 range throughout the betting period—not quite a Dr. Z system bet, but it was close, so I decided to compromise and bet \$100 to show on Heart Beat.

9th Hollywood



1 ½ MILES. (TURF). (1.46) CLAIMING. Purse \$28,000. 4-year-olds and upward. Weight, 122 lbs. Non-winners of two races at a mile or over since March 28 allowed 3 lbs.; such a race since then, 6 lbs. Claiming price \$50,000; for each \$2,500 to \$45,000 allowed 2 lbs. (Races when entered for \$40,000 or less not considered.)

Fabulous Reason *

Own.—Stepp J C

116

B. h. 5, by Le Fabuleux—Hail to Nurse, by Hail to Reason

Br.—Brookmeade Stable (Ky)

Tr.—Moreno Henry

1982 9 1 0 1 \$15,050

1981 6 1 0 1 \$9,550

Turf 7 0 0 1 \$4,050

Lifetime 25 2 0 4 \$31,825

16May82-9Hol	1½ ①:4621:1021:471fm	74	1095	921	917	917	813	Steiner J J9	Aw24000	81	PetrJons,PrnclyVrdict,MdlofHonor	9
1May82-5Hol	1½ ①:46 1:0941:404fm	54	117	79½	813	713	712	Black K8	Aw24000	83	ClIMeMister,Essenbee,MdlofHonor	8
21Apr82-2SA	1½ ①:4611:1021:473fm	41	118	74½	93½	109½	88½	ValenzuelaPA5	Aw25000	80	Disclaim, LordCarnavon,Essenbee	12
8Apr82-5SA	1½ ①:4621:1031:481fm	65	120	77½	75½	87½	65½	CastanedaM1	Aw26000	80	†Rostropovich,Tom'sSerend,IsIndr	12
21Mar82-5SA	1½ :461 1:102 1:481ft	24	118	68	56	712	714	AsmussenCB5	Aw27000	74	DurbanDeep,Rostropovich,Disclaim	7
7Mar82-7SA	1½ ①:4541:1041:474fm	21	118	75½	85½	511	37½	CastanedaM2	Aw27000	80	RasPenng,Essenbee,FbuiousReson	10
7Feb82-5SA	1¼ ①:47 1:3622:004fm	34	121	54½	61½	64½	65	AsmussenCB6	Aw27000	78	Jurisconsult,CptnGnrl,PrnclyVrdict	11
23Jan82-4SA	1½ :472 1:12 1:444gd	16	121	65½	76½	77½	66½	Gallitano G5	Aw25000	71	BrillintDouble,ClIMeMistr,PocktMn	7
1Jan82-9SA	1½ :491 1:14 1:471hy	16	118	3½	12½	13	1½	Gallitano G3	Aw20000	65	FabulousReason,Stingingly,Cibong	8
8Dec81-6BM	1½ :453 1:094 1:421ft	9½	117	814	813	716	716	GonzalezRM4	Aw11000	72	Cinnpo,Invective,CourtLeader	8

May 22 Hol 6f ft 1:14½ h

May 14 Hol 4f ft :50 h

May 8 Hol 4f ft :51½ h

Apr 27 Hol 4f ft :51½ h

***Kundalini**

Own.—Wright W J

116

B. h. 7, by Snow Track—Karen, by Maporal

Br.—Haras Curiche (Chile)

Tr.—Brinson Clay

\$50,000

Lifetime 61 7 14 11 \$96,574

1982 2 0 0 1 \$5,730

1981 19 1 2 6 \$47,350

Turf 50 7 11 10 \$93,374

20May82-9Hol	1 1/8	①:4621:1041:413fm	21 116	75 75 1/2 55 33 1/2	Valenzuela P A6 50000	87 Ultracharge, Giriama, Kundalini	8
8May82-3GG	1	①:4731:1141:364fm	5 1/2 113	59 57 1/2 58 49 1/2	Anderson JR5 Aw17000	74 KneCounty,UncleBrydown,MstrAc	7
3Dec81-8Hol	1	①:4821:1241:362fm	6 1/2 116	54 3 1/2 22 32	Valenzuela PA2 Aw19000	85 First Blade, SpringDigger, Kundalini	9
7Nov81-8BM	1 1/8	①:4721:1231:452fm	38 111	1020101910221023	CblleroR2 Sbsct Inv H 58	LsAsprs, PolicInspector, Dggr's Pont	10
17Oct81-8BM	1 1/8	①:47 1:1111:48 fm	51 112	913 88 1/2 88 1/2 79	Caballero R1 Tan H 99	TheBart, TahitianKing, Dggr's Point	9
30Oct81-8BM	1 1/8	①:4721:1211:45 gd	16 112	710 79 67 1/2 35 1/2	CblleroR2 Sn Jqn Iv H 77	Borrego Sun, Les Aspres, Kundalini	7
26Sep81-6BM	1	:454 1:101 1:353ft	6 1/2 115	58 1/2 58 1/2 41 1/2 41 1/2	Howell W C5 Aw15000	79 FleetTempo, HeadHawk, BlackSaber	5
19Sep81-11Bmf	1 1/8	①:4621:1041:434fm	17 112	811 66 1/2 67 36	Meza R Q8 Sn Mtn H 83	Hoedown's Dy, BorregoSun, Kundalini	8
7Sep81-9Dmr	1 1/8	①:4641:1121:424fm	7 1/2 116	721 713 57 1/2 44 1/2	Pierce D3 50000	91 GreatGrndson, Spinoz, HostileKnight	8
27Aug81-8Dmr	1 1/8	①:5021:1411:502fm	5 117	76 76 56 1/2 55 1/2	CastanedaM2 Aw18000	81 PocketMn, ChncyBiddr, MusiclBoyII	7
May 19 SA 3f ft :35 3 h			May 6 GG 4f ft :49 4 h		Apr 28 SA 7f ft 1:27 4 h	Apr 21 SA 7f ft 1:26 1 h	

Buffalo Hart *

Own.—Rogers Red Top Farm

116

B. c. 4, by Buffalo Lark—To My Lady, by Amber Morn

Br.—Madden P (Ky)

Tr.—Sullivan John

\$50,000

Lifetime 28 3 0 2 \$44,613

1982 8 1 0 0 \$21,625

1981 17 1 0 1 \$15,878

Turf 6 0 0 0 \$2,964

20May82-8Hol	1	①:4641:1011:333fm	110 118	85 1/2 88 81 1/2 81 3	Pierce D7 Aw35000	88 Piperhill, Faiz, Quantum Leap	8
4Apr82-7SA	1	:452 1:094 1:344ft	57 115 5	21 66 79 1/2 71 2	Steiner J J6 Aw35000	83 Maxistar, Son of a Dodo, A Run	7
28Mar82-7SA	1 1/8	:451 1:084 1:411ft	44 119	23 48 71 3 81 2	AsmussenCB5 Aw35000	83 Sunshine Swag, A Run, RockSoftly	8
21Mar82-3SA	1 1/8	:46 1:10 1:411ft	28 118	61 1/2 59 1/2 510 516	McHrgueDG4 Aw35000	79 Mehmet, Native Tactics, A Run	6
12Mar82-5SA	1 1/4	:47 1:40 2:074sl	12 114	1hd 13 13 1/2 1 1/2	AsmussenCB1 Aw32000	50 Buffalo Hart, Pettrax, Lucullus	5
6Mar82-6SA	1	:442 1:083 1:343ft	34 114	714 79 1/2 78 1/2 58 1/2	Lipham T4 Aw30000	88 Mehmet, Western, Notable Axe	7
13Feb82-7SA	6 1/2 f	:22 :45 1:152ft	26 114	63 1/2 65 1/2 61 1/2 61 9	Lipham T3 Aw32000	74 KngrooCourt, Aristocrtcl, AnswrtoMsc	6
5Feb82-7SA	6 1/2 f	:212 :433 1:15 ft	70 114	67 65 1/2 55 1/2 44 1/2	Lipham T3 Aw32000	91 VictorySmpl, BondRullh, PompCourt	8
27Dec81-5SA	1 1/8	:454 1:093 1:413ft	37 115	89 1/2 81210111021	Pierce D1 Aw30000	72 KngrooCourt, PierrL Mont, EggToss	10
26Nov81-5Hol	1 1/8	①:4641:1031:41 fm	25 113	67 63 1/2 88 87 1/2	Hawley S5 Aw27000	86 Truckload, Vorlaufer, Early Settler	8
May 28 Hol ① 4f fm :482 h (d)			May 13 Hol ① 7f fm 1:31 h (d)		May 7 Hol ① 7f fm 1:29 4 h (d)	May 2 Hol 5f ft 1:03 4 h	

***El Pancho Angel**

Own.—T 90 Ranch

116

Ch. h. 6, by Tantoul—Doninda, by Cardanil II

Br.—Haras Dadinco (Chile)

Tr.—Fanning Jerry

\$50,000

Lifetime 28 6 8 2 \$85,686

1982 5 0 0 0 \$2,900

1981 11 1 5 1 \$56,050

Turf 22 6 7 2 \$77,536

8May82-9Hol	1	①:4611:1011:34 fm	6 1/2 116	43 1/2 31 42 1/2 65 1/2	Olivares F6 80000	93 RghtofLght, Jursconsult, SonofDodo	7
30Apr82-7Hol	1 1/8	①:47 1:1111:47 fm	3 1/2 114	51 1/2 66 54 66 1/2	Guerra W A9 Aw30000	88 HemphillCounty, TbleTorch, Disclim	9
21Apr82-5SA	a6 1/2 f	①:211 :4331:13 fm	6 1/2 116	86 1/2 88 1/2 47 43	McHargue DG12 80000	91 Fingal, Tellaround, Gray Dandy	12
11Apr82-5SA	6 1/2 f	:22 :451 1:17 sy	10 114	53 1/2 43 3 1/2 51 1/2	Lipham T1 Aw26000	83 Tellround, Redoutble, He'sSomething	7
21Mar82-7SA	6 1/2 f	:214 :443 1:151ft	18 114	52 41 1/2 67 1/2 69	Olivares F6 Aw35000	85 DoubleDiscount, Aristocrtcl, PirtLw	7
5Sep81-8Dmr	1 1/8	①:4811:1211:42 fm	21 114	77 1/2 76 1/2 87 1/2 86	Lipham T1 Escndo H 93	Advocatum, ReglBering, MjorSport	10
3Aug81-8Dmr	1 1/8	①:4731:1141:494fm	10 119	61 1/2 55 41 2 1/2	Olivares F8 Aw24000	88 Wild Surf, El Pancho Angel, Idyll	9
17Jly81-8Hol	1 1/8	:462 1:10 1:42 ft	6 1/2 122	68 66 1/2 55 1/2 58 1/2	Lipham T5 200000 S 76	Joleg, Fingal, Sham's Fool	7
1Jly81-7Hol	1	①:4511:0921:342fm	6 1/2 115	61 5 67 1/2 42 1hd	Lipham T2 Aw40000	97 EIPnchoAngel, Lif'sHop, SonofDodo	8
3Jun81-5Hol	1 1/8	①:4631:1041:412fm	6 1/2 114	57 44 1/2 1 1/2 2 1/2	Lipham T7 Aw24000	91 Bnfctor, EIPnchoAngl, MstrSurgon	10
May 19 Hol 4f ft :50 3 h			Apr 19 SA 4f ft :47 1 h		Apr 10 SA 3f ft :38 h	Apr 4 SA 5f ft :59 3 h	

***Heart Beat**

Own.—Bacharach B

116

Dk. b. or br. g. 5, by Hard to Beat—Wampum, by Warfare

Br.—Guest R (Fra)

Tr.—Frankel Robert

\$50,000

Lifetime 16 3 4 3 \$58,707

1982 7 1 2 1 \$30,650

1980 9 2 2 2 \$28,057

Turf 10 2 3 2 \$33,657

12May82-7Hol	1 1/8	①:4731:3842:16 fm	3 1/2 117	37 52 1/2 31 2no	Pincay L Jr3 50000	75 Phillipic, Heart Beat, Nar	8
11Apr82-3SA	1 1/8	:474 1:121 1:494sy	*6-5 116	1hd 1hd 21 1/2 33 1/2	Shoemaker W1 50000	77 Perry Cabin, Three Bits, HeartBeat	6
2Apr82-5SA	1 1/8	:482 1:131 1:512gd	2 1/2 115	54 64 1/2 44 41 1/2	Shoemaker W2 60000	70 TheArgyleKid, Ultrchrge, Stingingly	7
20Mar82-5SA	1 1/8	:454 1:10 1:411ft	4 114	32 1/2 32 43 1/2 47 1/2	ShoemakerW1 Aw30000	88 Tell Again, Lucullus, Chriserik	7
14Feb82-9SA	1	:464 1:11 1:354ft	4 1/2 116	2hd 11 12 11 1/2	DelahoussayeE5 40000	90 HertBet, AnHeirAboutHim, Decodd	10
24Jan82-4SA	1 1/8	:462 1:112 1:504ft	3 1/2 e116	22 1/2 21 1/2 11 1/2 21 1/2	Ortega L E3 32000	73 Denali Ridge, HeartBeat, PortVelate	6
17Jan82-9SA	6 1/2 f	:221 :442 1:151ft	6 1/2 e116	96 1/2 912 915 813	Ortega L E3 50000	81 MrblCourt, ThArgylKid, AmnBrothr	12
4Nov80♦4MLaffitte(Fra) a1 1/8	3:04 gd	3-2 123	① 32	Head F	Px Merlin	Multicolore, Vald'Amain, HeartBeat	6
11Oct80♦5CrLaroche(Fra) a1 1/2	sf	— 121	① 22	StMrtY	Px Rene Wattinne	Eternity, HeartBeat, FlingDutchman	8
11Oct80—No time taken.							
14Sep80♦6Compiegne(Fra) a1 1/8	gd	*1 126	① 1hd	BtldD	Px Imperatrice Eugenie	Heart Beat, Bold Gold, Pontois	9
14Sep80—No time taken. Race for lady riders.							
May 26 Hol 5f ft 1:00 3 h			May 20 Hol 4f ft :49 1 h		May 9 Hol 6f ft 1:13 4 h	May 3 Hol 6f ft 1:17 h	

***Ingres**

Own.—Yank A

116

B. h. 6, by Djakao—Insulaire, by Aureole

Br.—LaComtesse Orazio Sanjust (Fra)

Tr.—Perkins Larry

\$50,000

Lifetime 33 2 4 4 \$86,229

1982 7 0 0 0

\$1,450

1981 10 1 1 0

\$33,932

Turf 30 2 4 4

\$85,479

12May82-7Hol 1 $\frac{3}{8}$ ①:4731:3842:16 fm 9 $\frac{1}{2}$ 116 815 810 78 $\frac{1}{2}$ 54 $\frac{1}{2}$ McHargue D G2 50000 71 Phillipic, Heart Beat, Nar 8
21Apr82-9SA 1 $\frac{1}{4}$ ①:4441:3421:593fm 55 108 716109 $\frac{1}{2}$ 105 $\frac{1}{2}$ 1011 StinrJJ2 Sn Jacinto H 78 Durban Deep, Monarch, Kilty 10

21Apr82—Run in two divisions, 8th & 9th races.

2Apr82-5SA 1 $\frac{1}{8}$:482 1:131 1:512gd 20 116 78 76 $\frac{3}{4}$ 66 $\frac{1}{2}$ 54 $\frac{1}{2}$ Pierce D4 62500 68 TheArgyleKid,Ultrchrge,Stingingly 7
24Mar82-5SA 1 $\frac{1}{8}$:452 1:092 1:472ft 56 116 819 815 718 721 Ontiveros J A7 62500 71 Chriserik, BeOnTime,TheArgyleKid 8
10Mar82-5SA 1 $\frac{1}{8}$ ①:4521:1011:474fm 79 112 10171011107 $\frac{1}{2}$ 711 Ontiveros J A7 70000 77 RightofLight,Monico,NoblTrdition 10
24Feb82-5SA 1 $\frac{1}{8}$ ①:4631:1041:474fm 54 116 91410101012 914 Gilligan L6 62500 74 BadRascal,BeauSoleil,BlueDncrII 10
13Feb82-5SA 6 $\frac{1}{2}$ f:213 :442 1:161ft 73 114 1017101910211020 Ontiveros JA2 Aw26000 69 Kearney,LaughingBoy,Mari'sBook 10
18Oct81-4Longchamp(Fra) a1 $\frac{1}{16}$ 3:434sf 9 120 ① 817 BarelliE Pr Jouvence H Santa Aquila, Jete Battu, SoMisty 14
13Sep81-3Longchamp(Fra) a1 $\frac{1}{16}$ 3:293gd 6 $\frac{1}{2}$ 113 ① 21 $\frac{1}{2}$ BarelliE Pr de Dangu H Val d'Ajol, Ingres, Veneziano 14
15Aug81-4Deauville(Fra) a2 $\frac{1}{4}$ 4:002fm 6 $\frac{1}{2}$ 102 ① 13 BrlliE Grand de la Manche H Ingres, Hartwood, Grey Imperial 23
May 26 Hol 6f ft 1:18 $\frac{1}{4}$ h May 11 Hol 3f ft :37 $\frac{1}{2}$ h May 6 Hol 1 ft 1:45 h Apr 30 Hol 6f ft 1:15 h

Wantazee

Own.—Giacoppuzzi G

119

Ch. g. 4, by Orbit Ruler—Princess Scott, by Doc Scott J

Br.—Coffman R (Cal)

Tr.—Cofer Riley S

\$50,000

1982 6 3 1 0

\$35,075

1981 4 1 1 0

\$2,570

Lifetime 10 4 2 0 \$37,645

8May82-7Hol 1 $\frac{1}{16}$:46 1:103 1:43 ft *1 114 41 $\frac{3}{4}$ 31 $\frac{1}{2}$ 21 21 $\frac{1}{2}$ McCarronCJ3 Aw22000 79 LittleShah,Wantazee,RomnMjesty 8
8May82—Placed first through disqualification

28Apr82-9Hol 1 $\frac{1}{16}$:463 1:103 1:422ft 3 114 2 $\frac{1}{2}$ 1hd 2 $\frac{1}{2}$ 21 McCarronCJ1 Aw22000 82 Fager'sBid,Wantzee,FriendlyRoylty 7
4Apr82-9SA 1 $\frac{1}{16}$:463 1:104 1:414ft 15 114 2 $\frac{1}{2}$ 2hd 32 43 $\frac{1}{2}$ ValenzuelaPA7 Aw21000 89 Pal's Lad, Peter Jones,RamBoldly 10
4Mar82-3SA 1 $\frac{1}{16}$:451 1:094 1:422ft 9-5 117 36 22 53 $\frac{1}{2}$ 53 $\frac{1}{2}$ Pincay L Jr3 c32000 85 CptinOrient,EgleTost,PriorApprovl 6
14Feb82-1SA 1 :451 1:094 1:36 ft 5 $\frac{1}{2}$ 115 34 21 $\frac{1}{2}$ 2 $\frac{1}{2}$ 1 $\frac{1}{2}$ ValenzuelaPA5 c20000 89 Wantazee, Embermatic,Bandelaire 10
29Jan82-9SA 1 $\frac{1}{16}$:463 1:104 1:43 ft 24 115 1hd 1hd 2hd 1nk Valenzuela P A1 16000 86 Wantazee,ElGtoGrnde,OnYourWy 11
19Dec81-3Hol 1 :464 1:121 1:39 ft 25 114 41 $\frac{1}{2}$ 52 $\frac{3}{4}$ 66 57 $\frac{1}{2}$ Valenzuela P A7 22500 64 MjstcCourt,FoxyQllo,AttBoyBrook 7
9Dec81-3Hol 6f :22 :452 1:104ft 23 119 76 $\frac{3}{4}$ 76 $\frac{1}{2}$ 68 $\frac{1}{2}$ 612 Ontiveros JA3 S 20000 71 GrfieldCounty,ImmntIssu,Ws'sRb 9
15Nov81-3AC 6f :223 :443 1:101ft *1 116 1hd 1 $\frac{1}{2}$ 13 12 $\frac{1}{2}$ Ontiveros J A3 AlwM 88 Wantazee,SirDvidR.,RhythmRunner 6
8Nov81-4AC 6f :222 :451 1:102ft *1 1097 64 $\frac{1}{2}$ 64 $\frac{3}{4}$ 24 24 Cervantes J L1 AlwM 83 Eds Novel, Wantazee, Valley Flash 7
May 26 Hol 5f ft 1:00 h May 20 Hol 5f ft 1:02 h May 5 Hol 5f ft 1:00 $\frac{3}{4}$ h Apr 22 Hol 4f ft :48 $\frac{1}{4}$ h

Pierre La Mont

Own.—Giddings & Wilson

116

B. g. 8, by Great Mystery—Two Su Sis, by Andys Glory

Br.—Amlung R (Fla)

Tr.—Landers Dale

\$50,000

1982 8 1 1 1

\$30,275

1981 19 4 5 3

\$85,875

Lifetime 74 16 15 8 \$250,911

Turf 46 8 10 8

\$135,719

12May82-7Hol 1 $\frac{3}{8}$ ①:4731:3842:16 fm 6 $\frac{1}{2}$ 116 2hd 2hd 44 $\frac{1}{2}$ 79 $\frac{1}{2}$ Castaneda M5 50000 66 Phillipic, Heart Beat, Nar 8
20Apr82-5SA 1 $\frac{1}{8}$ ①:45 1:0911:473fm 5 120 24 22 $\frac{1}{2}$ 1hd 31 $\frac{1}{2}$ Castaneda M7 50000 88 NightLeague,SoftMrket,PirrL Mont 11
14Mar82-9SA 1 $\frac{1}{16}$:464 1:12 1:452sy 7 120 49 614 616 620 Castaneda M7 62500 54 TheArgyleKid,BeauMoro,Stingingly 7
24Feb82-5SA 1 $\frac{1}{8}$ ①:4631:1041:474fm 4 $\frac{1}{2}$ 120 22 $\frac{1}{2}$ 22 $\frac{1}{2}$ 33 45 $\frac{1}{2}$ Castaneda M9 62500 82 BadRascal,BeauSoleil,BlueDncrII 10
15Feb82-5SA 1 $\frac{1}{8}$ ①:4731:1221:493gd 10 118 1hd 1hd 45 $\frac{1}{2}$ 78 $\frac{1}{2}$ ValenzuelaPA10 75000 70 Ptti'sTriumph,RightofLight,Gmmt 12
31Jan82-5SA 1 $\frac{1}{8}$ ①:4721:1141:493gd 2 $\frac{1}{2}$ 116 11 11 1hd 44 Valenzuela P A3 75000 75 Serang, Lanarkland, Mr. Mud 9
17Jan82-7SA 1 :451 1:093 1:344ft *7-5 115 1hd 2hd 1hd 12 $\frac{3}{4}$ ValenzuelaPA4 Aw30000 95 PierreLaMont,SirDancer,Mr.Metaxa 9
6Jan82-4SA 1 $\frac{1}{8}$:49 1:14 1:532m *2-3 115 11 $\frac{1}{2}$ 1 $\frac{1}{2}$ 25 29 $\frac{1}{2}$ Valenzuela PA6 A40000 52 TellAgain,PierreLaMont,DenliRidge 6
27Dec81-5SA 1 $\frac{1}{16}$:454 1:093 1:413ft 7 $\frac{1}{2}$ 115 11 12 2hd 2 $\frac{1}{2}$ ValenzuelaPA6 Aw30000 92 KngrooCourt,PierrL Mont,EggToss 10
16Dec81-7Hol 1 $\frac{1}{16}$ ①:4841:1241:424fm 4 $\frac{1}{2}$ 115 11 11 1 $\frac{1}{2}$ 22 ValenzuelaPA3 Aw27000 83 LeDucdeBar,PierreL Mont,Lucullus 7
May 24 Hol 4f ft :50 h May 3 Hol 4f ft :50 h Apr 13 SA 3f ft :37 $\frac{3}{4}$ h Apr 8 SA 5f ft 1:01 $\frac{1}{4}$ h

At post time the expected return per dollar bet on Heart Beat to show was 1.12 and the tote board was as follows:

	Totals	#5 Heart Beat
Odds		6—5
Win	171,124	64,610
Show	26,958	7,465

Heart Beat won the race easily. The payoff of \$2.60 to show was reasonable, given the fact that Heart Beat did go off as a 6—5 favorite, that the third and fourth picks came in the money, and that there was a substantial

breakage. Again, it is clear that the bet on Heart Beat was a reasonable one but not good enough to be a Dr. Z system bet. My \$100 bet returned \$130, for a \$30 profit.

NINTH RACE

Hollywood

MAY 30, 1982

Value of race \$28,000, value to winner \$15,400, second \$5,600, third \$4,200, fourth \$2,100, fifth \$700. Mutuel pool \$252,477. Exacta Pool \$518,904.

1 1/2 MILES.(turf). (1.46) CLAIMING. Purse \$28,000. 4-year-olds and upward. Weight, 122 lbs. Non-winners of two races at a mile or over since March 28 allowed 3 lbs.; such a race since then, 6 lbs. Claiming price \$50,000; for each \$2,500 to \$45,000 allowed 2 lbs. (Races when entered for \$40,000 or less not considered.)

Last Raced	Horse	Eqt.	A.Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Cl'g Pr	Odds \$1	
12May82 7Hol2	Heart Beat		5	117	5	2	52 1/2	3hd	31	11 1/2	12	Pincay L Jr	50000	1.20
20May82 9Hol3	Kundalini		7	116	2	6	6 1/2	71	6hd	42	22 1/2	Valenzuela P A	50000	7.90
12May82 7Hol7	Pierre La Mont	b	8	116	8	1	1hd	1hd	22	31	3 1/2	Hawley S	50000	5.60
8May82 7Hol1	Wantazee		4	119	7	3	22 1/2	22 1/2	1hd	2hd	42 1/2	Delahoussaye E	50000	11.10
16May82 9Hol8	Fabulous Reason		5	116	1	4	4hd	61	7 1/2	6hd	5no	Castaneda M	50000	28.70
12May82 7Hol5	Ingres	b	6	116	6	8	8	8	8	74	63 1/2	Sibille R	50000	12.70
8May82 9Hol6	El Pancho Angel	b	6	116	4	7	71	5hd	5 1/2	53 1/2	75	Lipham T	50000	3.20
20May82 8Hol8	Buffalo Hart		4	116	3	5	3hd	43	4hd	8	8	Pierce D	50000	21.80

OFF AT 5:50. Start good. Won ridden out. Time, :23 1/8, :46 3/8, 1:10 3/8, 1:34 1/8, 1:47 3/8 Course firm.

\$2 Mutuel Prices:

5-HEART BEAT

2-KUNDALINI

8-PIERRE LA MONT

4.40

6.00

3.60

\$5 EXACTA 5-2 PAID \$62.00.

Dk. b. or br. g, by Hard to Beat—Wampum, by Warfare. Trainer Frankel Robert. Bred by Guest R (Fra).

HEART BEAT, just outside the leaders while reserved off the early pace, rallied to take command from outside entering the stretch and drew off. KUNDALINI, unhurried for six furlongs, rallied willingly in the middle of the course through the final quarter-mile but did not menace the winner. PIERRE LA MONT outsprinted WANTAZEE for the early lead, then weakened in the final furlong. WANTAZEE lacked the needed rally. EL PANCHO ANGEL failed to threaten.

Owners— 1, Bacharach B; 2, Wright W J; 3, Giddings & Wilson; 4, Giacoppuzzi G; 5, Stepp J C; 6, Yank A; 7, T 9 0 Ranch; 8, Rogers Red Top Farm. Overweight: Heart Beat 1 pound.

Summary of betting

Race	Bet (\$)	Payoff per \$2 Bet (\$)	Profit (\$)
3	50	3.60	40.00
4	50	3.00	25.00
5	50	3.80	45.00
7	50	0	- 50.00
8	113	3.40	84.70
9	100	2.60	30.00
			174.70

In summary, there was only one Dr. Z system bet: Remember John in the eighth. Insearchof in the fifth and Heart Beat in the ninth were close, as was the loser Patti's Triumph in the seventh.

All my bets were to show. Six of the seven horses actually came in the money, so I had a pleasant afternoon with a nice profit. This performance was better than what you can expect on average. Since about two-thirds of all favorites finish in the money, one would expect to win about four or five races out of seven. For this reason, it is best to bet when the odds are good. The payoffs will then be higher to compensate for the bets you lose.

CHAPTER 15

Minus Pools



Eliminating Possible Minus Pools: The Kentucky Oaks at Churchill Downs, May 1, 1981

The payoffs for win, place, and show bets reflect the individual pools, the amounts bet on the in-the-money horses, the track take, and breakage. By law, tracks must always pay a minimum amount on any winning bet. This is generally \$2.10 for a \$2 bet.* A minus pool occurs when the return to bettors, after the track take has been calculated in, is less than this minimum. Such a pool can occur when a horse (or group of horses coupled as an entry) looks unbeatable. The bet is so large on this one possibility that the track must forego some of its profit or actually lose money in order to pay the \$2.10. When such a situation appears likely in a given pool, management is likely to disallow certain betting to avoid a minus pool. Such a situation occurred during the running of the 1981 Kentucky Oaks at Churchill Downs in Louisville, Kentucky. The entry of Heavenly Cause and De La Rose was bet down to 3—2 as the second favorite. Since there were only five alternative bets and two extreme favorites (the entry and the even-money favorite, Truly Bound), there would likely be a minus pool in the show mutuels. Management, therefore, disallowed show betting.

*An exception is Kentucky, where the minimum payment is \$2.20. See the discussion of the Kentucky Oaks in Chapter Six and further comments made later.

Kentucky Oaks

EIGHTH RACE
Churchill

MAY 1, 1981

1 1/8 MILES. (1.41%) 107th Running THE KENTUCKY OAKS (Grade I). \$100,000 Added. (Plus \$10,000 KTDF). 3-year-old fillies. By subscription of \$100 which covers nomination for berth The Kentucky Oaks and the La Troienne. All nomination fees to Kentucky Oaks. \$200 to pass entry box, \$500 additional to start, \$100,000 added, of which with the subscription fees and all starting fees to be divided 65% to the winner, 20% to second,

10% to third and 5% to fourth. Weight 121 lbs. Starters to be named through the entry box Wednesday, April 29 at usual time of closing. If race is divided entries or couplings will be divided. The owner of the winner to receive a silver trophy. Value of race \$124,000, value to winner \$79,300, second \$26,400, third \$12,200, fourth \$6,100. Mutuel pool \$685,768.

Last Raced	Horse	Eqt.	A.Wt	PP	St	1/4	1/2	3/4	Str	Fin	Jockey	Odds \$1
25Apr81 8CD1	Heavenly Cause	3	121	4	4	43	44	1 1/2	11 1/2	1no	Pincay L Jr	a-1.50
8Apr81 7Kee4	De La Rose	3	121	3	6	6	51	54	21	25	Day P	a-1.50
18Apr81 7Kee2	Wayward Lass	3	121	1	1	3 1/2	31	21 1/2	31	33	Asmussen C B	8.40
18Apr81 7Kee1	Truly Bound	3	121	2	3	2 1/2	2hd	41	45	44	Shoemaker W	1.00
17Apr81 8Aqu4	Real Prize	3	121	6	5	5 1/2	6	6	52	58 1/2	Fell J	23.00
4Apr81 9OP2	Nell's Briquette	3	121	5	2	1hd	1 1/2	3hd	6	6	Lively J	5.00

a-Coupled: Heavenly Cause and De La Rose.
OFF AT 5:30 EDT. Start good, Won driving. Time, :25, :48 1/4, 1:13, 1:37 3/4, 1:43 1/4 Track fast.

\$2 Mutuel Prices:	1-HEAVENLY CAUSE (a-entry)	5.00	5.00	—
	1-DE LA ROSE (a-entry)	5.00	5.00	—
	2-WAYWARD LASS	—	—	—

(No Show Wagering)

Ro. f, by Grey Dawn II—Lady Dulcinea, by Nantallah. Trainer Stephens Woodford C. Bred by Ryehill Farm (Md).

HEAVENLY CAUSE, allowed to settle early, took command on the outside leaving the backstretch, drew clear in upper stretch but was all out to withstand DE LA ROSE with pressure from both sides. The latter, unhurried early, launched a bold bid in the extreme outside when set down for the drive, was also under pressure from both sides in the final furlong and just missed at the wire. WAYWARD LASS just behind the early leaders, had no rally. TRULY BOUND prompted the pace for a half and weakened along the rail leaving the backstretch. REAL PRIZE never launched a serious bid. NELL'S BRIQUETTE made the early pace and gave way.

Owners— 1, Ryehill Farm; 2, deKwiatkowski H; 3, Flying Zee Stable; 4, Windfields Farm; 5, Buckland Farm; 6, Triple L Stables.

Trainers— 1, Stephens Woodford C; 2, Stephens Woodford C; 3, Martin Jose; 4, Delp Grover G; 5, Campo John P; 6, Van Berg Jack.

Heavenly Cause and De La Rose finished one-two and returned \$5 to win and also \$5 to place. The favorite, Truly Bound, finished fourth, out of the money.

The identical payoffs to win and place meant that, after adjusting for breakage, the percentages bet on the entry in the win and place pools were the same. Hence the entry was not a Dr. Z system bet to place. Indeed, its expected value per dollar bet to place was about 90¢ (amounting to the track's payback plus the adjustment for the entry). Techniques for the selection of Dr. Z system bets with entries are discussed in Chapter Sixteen. When the favorite finished out of the money, the one-two finish provided a good payoff.

An Extraordinary Show Pool: The Coaching
Club American Oaks at Belmont,
June 27, 1981

The entry of Heavenly Cause and De La Rose was also entered the next month in the Coaching Club American Oaks at Belmont. Their strong one-

two finish in the Kentucky Oaks made them a 2—5 favorite. The entry was bet even more heavily for show, so that a minus pool was likely.

Management decided not to eliminate the show pool. The betting public believed that a show bet on the entry of Heavenly Cause and De La Rose was virtually a sure thing. It seemed that at least one of these top horses would beat two of the other four horses in the race and finish in the money. The chart of the race speaks for itself.

Coaching Club American Oaks

EIGHTH RACE
Belmont
JUNE 27, 1981

1 ½ MILES. (224) 65th Running COACHING CLUB AMERICAN OAKS (Grade I). Purses \$125,000 added. Fillies. 3-year-olds. Weight 121 lbs. By subscription of \$250 each, which should accompany the nomination; \$1,000 to pass the entry box, with \$125,000 added. The added money and all fees to be divided 60% to the winner, 22% to second, 12% to third and 6% to fourth. Starters to be named at the closing time of entries.

Trophies will be presented to the winning owner, trainer and jockey and mementoes to the grooms of the first four finishers. A special permanent trophy will be presented to the owner of the winner of the Coaching Club American Oaks if the filly has also won the Acorn and the Mother Goose. (Nominations close Wednesday, June 10, 1981). Closed with 17 nominations.

Value of race \$136,250, value to winner \$81,750, second \$29,975, third \$16,350, fourth \$8,175. Mutuel pool \$469,774, OTB pool \$305,150.

Last Raced	Horse	Eqt.	A.Wt	PP	¼	½	1	1¼	Str	Fin	Jockey	Odds \$1
5Jun81 8Bel4	☐Real Prize	3	121	1	5½	6	5½	2hd	11½	12¼	Velasquez J	9.80
5Jun81 8Bel1	Wayward Lass	3	121	2	34	31	2hd	34	2½	22¼	Asmussen C B	5.00
5Jun81 8Bel3	Banner Gala	3	121	5	1hd	11	12	11½	310	313	Cordero A Jr	3.20
5Jun81 8Bel2	Heavenly Cause	3	121	4	44	46	44	45	43	41¾	Pincay L Jr	a-.40
5Jun81 8Bel5	Autumn Glory	b	3	121	6	21½	2½	3½	55	58	Martens G	35.60
13Jun81 8Mth1	De La Rose	3	121	3	6	5½	6	6	6	6	Maple E	a-.40

☐—Real Prize Disqualified and placed second.

a—Coupled: Heavenly Cause and De La Rose.

OFF AT 4:55 EDT. Start good, Won ridden out. Time, :24½, :47½, 1:11½, 1:36½, 2:01½, 2:28½, Track fast.

\$2 Mutuel Prices:

3—(B)—WAYWARD LASS	12.00	7.20	35.40
2—(A)—REAL PRIZE		8.60	61.60
5—(F)—BANNER GALA			51.20

Wayward Lass—Dk. b. or br. f, by Hall the Pirates—Young Mistress, by Third Martini. Trainer Martin Jose. Bred by Luro H A (Fla).

REAL PRIZE, unhurried while outrun to the far turn, settled suddenly after going a mile, angled out to continue her rally approaching the stretch, lugged in interfering with WAYWARD LASS near the final furlong and drew away under intermittent urging. REAL PRIZE was disqualified and placed second following a stewards inquiry and foul claim by the rider of WAYWARD LASS. WAYWARD LASS, close up early while under light restraint, made a run between horses leaving the far turn, was checked behind REAL PRIZE near the final furlong and continued on with good courage to best the others. BANNER GALA took over from AUTUMN GLORY at the first turn, made the pace under good handling, saved ground after sprinting away to a clear lead at the far turn, held a narrow advantage into the stretch and weakened. HEAVENLY CAUSE moved up outside horses to reach contention after entering the backstretch, raced within striking distance for nine furlongs and had nothing left. AUTUMN GLORY saved ground while racing forwardly for a mile and tired badly. DE LA ROSE showed nothing.

Owners— 1, Buckland Farm; 2, Flying Zee Stables; 3, Phipps O; 4, Ryehill Farm; 5, Ruiz E; 6, de Kwiatkowski H.

Trainers— 1, Campo John P; 2, Martin Jose; 3, Penna Angel; 4, Stephens Woodford C; 5, Barrera Guillermo S; 6, Stephens Woodford C.

Scratched—Outlaw Native (13Jun81 8Pim3).

The possible minus pool from the extremely heavy betting to show on the entry led to two possible show outcomes: (1) \$2.10 for all horses finishing in the money if at least one of the entry horses was in the money and (2) very large payoffs for the in-the-money finishers if both of the entry horses were out of the money. Indeed, when both of the entry horses finished

out of the money, the show payoffs were astronomical! The winner, Wayward Lass, paid three times as much to show as to win. The second-place finisher, Real Prize, paid about seven times as much to show as it did to place, and five times as much as he would have paid to win if he had won. The third-place finisher, Banner Gala, who was the second favorite in the race at 3—1, paid \$51.20 to show.

At first glance, you would think that all these horses were good bets to show. It turns out that only Banner Gala was a Dr. Z system bet; She had an expected value of about \$1.24 per dollar bet. Bets on Real Prize and Wayward Lass in fact had expected values *less* than \$1; for Real Prize it was 89¢. How could this be? With a possible minus pool, there were three possible outcomes for a show bet on Banner Gala, Real Prize, or Wayward Lass: (1) Our horse and at least one of the entry horses would be in the money—result: \$2.10; (2) Our horse finished out of the money—result: 0; and (3) Our horse was in the money and both entry horses were not—result: a high payoff. The difficulty is that possibilities (1) and (2) were the most likely ones, and (3) had a very small chance of occurring. Thus even though the payoff in (3) would be high, it might still be that, on average, you would lose with such a bet. For example, with Real Prize these probabilities were (1) 0.260, (2) 0.720, and (3) 0.020. Hence the expected value per \$2 bet on Real Prize was

$$\underbrace{(0.260)(\$2.10)}_{\text{Real Prize and at least one of the entry horses in the money}} + \underbrace{0.720(0)}_{\text{Real Prize out of the money}} + \underbrace{0.020(\$61.60)}_{\text{Real Prize in the money and both of the entry horses out of the money}} = \$1.78$$

or 89¢ per dollar bet!

The situation was better with Banner Gala. The probabilities were (1) 0.617, (2) 0.360, and (3) 0.023. The expected value per \$2 bet on Banner Gala was $0.617(\$2.10) + 0.360(0) + 0.023(\$51.20) = \$2.47$, or about \$1.24 per dollar bet. Thus an extraordinarily high payoff of \$51.20 to show on a relative favorite—recall that Banner Gala was a 3—1 shot—was required to make the bet profitable. The reason for the advantageous bet on Banner Gala was her relatively high odds to win and the extraordinary low amount bet on her to show.

The Coaching Club American Oaks illustrates that an occasion may arise where it is advisable to bet in a possible minus pool. However, we feel it is a rare instance indeed and that, in general, bets should not be made in a

TABLE 15.1 *Probabilities of various outcomes and expected value of show bets in the Coaching Club American Oaks*

Horse	Win Odds	Probability of Winning	Probability of Finishing Second	Probability of Finishing Third	Probability of Finishing in the Money	Probability of Finishing out of the Money	Percentage of Money Bet to Show	Probability of Finishing in the Money When Both Entry Horses Are out of the Money	Probability of Finishing in the Money with at Least One of the Entry Horses	Expected Value per dollar Bet to Show
Wayward Lass	5.00	0.13	0.15	0.20	0.48	0.52	1.91	0.022	0.458	0.87
RealPrize	9.80	0.07	0.09	0.12	0.28	0.72	1.07	0.020	0.260	0.89
Banner Gala	3.20	0.19	0.20	0.25	0.64	0.36	1.30	0.023	0.617	1.24
Entry	0.40	0.59	0.53	0.39	0.98 ^a	0.02	95.22	—	—	1.03
Autumn Glory	35.60	<u>0.02</u> 1.00	<u>0.03</u> 1.00	<u>0.04</u> 1.00	0.09	0.81	0.50	0.008	0.082	0.53

Note: The calculations of the probabilities were made using the assumptions described in Chapter Five.

^aAt least one horse.

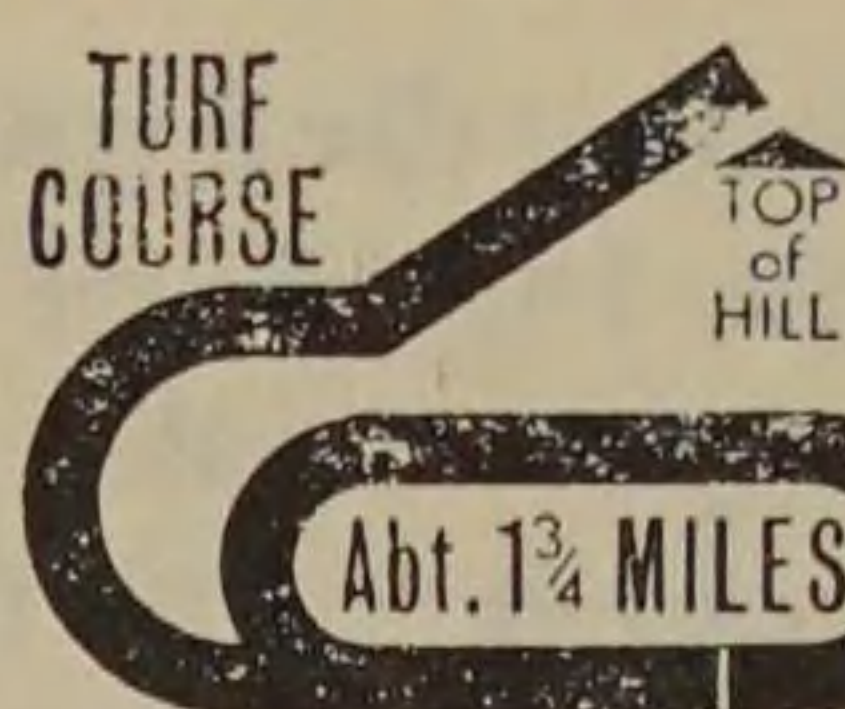
possible minus pool. This example also demonstrates that the favorite should generally not be bet in a possible minus pool. Table 15.1 shows that even with a 98% probability of being in the money, the expected value per dollar bet to show is only 1.03, a return that certainly does not justify the risk. In fact, the best situation to imagine for a possible minus pool is a horse with a probability of 1.00 of finishing in the money; this would return an expected value per dollar bet to show of 1.05. But by the very nature of the event, no horse can ever have a probability of 1.00 of finishing in the money. For example, John Henry, horse of the year in 1981, had ten starts. Although he won eight of them, he was out of the money in the other two races. So he was in the money only 80% of the time.

The point of all this is clear: In a possible minus pool, where the minimum payoff is \$2.10, *do not bet to place or show on any horse.*

A Typical Minus Pool: The San Juan Capistrano Invitational Handicap at Santa Anita, April 18, 1982

The final example in this chapter indicates that in a typical minus pool for place or show (1) it is not advisable to bet any horses to place or show regardless of how promising they might appear to be on the basis of either their past performance (the overbet) or their odds (the underbet); and (2) the only bets that are worth considering are win or features bets on horses other than the extreme favorite.

The San Juan Capistrano Invitational Handicap was run as the eighth race on Santa Anita's card. The race featured the dynamite entry of Exploded ridden by Bill Shoemaker, Captain General with Chris McCarron, and Perrault with Laffit Pincay, Jr. in the irons. Perrault was the consensus best bet of the day, with Exploded a major contender. The chief competition to this seemingly unbeatable field was provided by Lemhi Gold ridden by Walter Guerra. The 15—1 shot, Rainbow Connection, was scratched and the remaining five horses were rated at 20—1 or more in the morning line. The field looked unbeatable to the crowd, who immediately installed it as a 1—5 favorite, the same as its morning line. The place and show betting were even more intense, with about three-quarters of these pools being bet on the entry. The tote board indicated a likely minus pool, with a \$2.10 place and show payout for all the horses finishing in the money, as long as at least one of the field came in the money.



EXACTA RACE

ABOUT 2,800 METERS

EIGHTH RACE

SAN JUAN CAPISTRANO

(GRADE I)

\$300,000 Invitational Handicap

Four-year-olds and upward. By invitation, with no nomination or starting fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. A trophy will be presented to the owner of the winner.

SAN JUAN CAPISTRANO RECORD—ROYAL LIVING (4) 117 lbs. 1959 2:45²/₅

Course Record—ROYAL LIVING (4) 117 March 11, 1959 2:45²/₅

OWNER

TRAINER

JOCKEY

1

Bradley, Chandler & C. Whittingham

Charles Whittingham

2/5

Red, white tie, red cap

EXPLODED

118

William Shoemaker

P.P. 3 Br.h. '77, Cougar 2nd—Blow Up 2nd, by Abdos

Breeder—Mrs. Mary Bradley, C. Whittingham & Dr. B. Wynne (Ky.)

1A

Lowell T. Hughes (Lessee)

Charles Whittingham

2/5

White, royal blue braces, blue "HH", blue bars on sleeves, blue cap

CAPTAIN GENERAL

113

Chris McCarron

P.P. 9 B.h. '77, Vaguely Noble—Charming Alibi

Breeder—N. B. Hunt (Kentucky)

1B

Baron Van Zuylen & Fradkoff

Charles Whittingham

2/5

Turquoise, royal blue V-sash, blue stripes on sleeves, turquoise and blue cap

PERRAULT (GB)

129

Laffit Pincay, Jr.

P.P. 10 Ch.h. '77, Djakao—Innocent Air

Breeder—A. D. Shead & F. H. Sasse (Great Britain)

2

Tara Brianne Sweeney (Lessee)

Ted West

20

Hunter green, black cap

LANARKLAND (GB)

116

Eddie Delahoussaye

P.P. 1 Gr.g. '76, Ragstone—Kinharvie, by Abernant

Breeder—Lavinia Duchess of Norfolk (Great Britain)

3

Saddle Hill Farm & Winick

Randy Winick

30

Navy, fuchsia sleeves, navy and fuchsia cap

DESVELO (Chi)

114

Fernando Toro

P.P. 2 Br.h. '77, Decano 2nd—Bronze Gem

Breeder—Haras Tarapaca (Chile)

4

Aaron U. Jones

L. S. Barrera

5/2

White, red cross sashes, red bar on sleeves, white and red cap

LEMHI GOLD

121

Walter Guerra

P.P. 4 Ch.c. '78, Vaguely Noble—Belle Marie

Breeder—Owner (Kentucky)

5

Longden & Carr Stables

John Longden

30

White, purple sash, sleeves and cap

REGAL BEARING (GB)

118

Joe Steiner

P.P. 5 Ch.h. '76, Viceregal—Mia Pola, by Relko

Breeder—S. Niarchos (Great Britain)

6

Fleetwood Stable & Cameron

Gary Jones

15

Burgundy, yellow cross sashes, burgundy and yellow cap

RAINBOW CONNECTION

115

Marco Castaneda

P.P. 6 B.f. '78, Halo—Hangin Round, by Stage Door Johnny

Breeder—Mrs. George T. Coker (Canada)

7

Kjell H. Qvale
Flame orange, green oak tree on back, orange bars
on green sleeves, orange cap

SILVEYVILLE

P.P. 7 B.c. '78, Petrone—Zurina, by Successor
Breeder—Tanaka & Tanaka (California)

Bruce Headley

20

Danny Winick

118

8

Cimarron Stable
White, green hoops and bars on sleeves,
white and green cap

RANKIN (Fr)

P.P. 8 Ch.h. '77, Owen Dudley—Cup Cake, by Dan Cupid
Breeder—Mrs. Eric Loder (France)

R. W. Mulhall

20

Sandy Hawley

117

Nos. 1, 1A & 1B—Bradley, Chandler & C. Whittingham—Lowell T.
Hughes (Lessee)—Baron Van Zuylen & Fradkoff entry.

8th Santa Anita



ABOUT 1 3/4 MILES. (TURF). (2.45%) 43rd running of THE SAN JUAN CAPISTRANO INVITATIONAL HANDICAP (Grade I). Purse \$300,000. 4-year-olds and upward. By invitation, with no nomination or starting fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. Weights to be published Wednesday, April 7. The Los Angeles Turf Club will invite a field of the highest weighted horses to accept. In the event that one or more of these decline, those weighted below them will be invited in weight order to replace them. The field will be drawn by the closing time of entries, Friday, April 16. A trophy will be presented to the owner of the winner.

Coupled—Exploded, Captain General and Perrault.

*Lanarkland

Own.—Sweeney Tara (Lessee)

116

Gr. g. 6, by Ragstone—Kinharvie, by Abernant
Br.—Lavinia Duchess of Norfolk (Eng)
Tr.—West Ted
Lifetime 25 7 3 2 \$92,057
Turf 25 7 3 2 \$92,057

1982 5 2 1 0 \$70,925
1981 8 0 1 1 \$2,677

28Mar82-8SA 1 1/2 @:4622:00 2:24 fm 32 126 58 1/2 57 1/2 513 520 CastanedM1 Sn Ls Ry 75 Perrault, Exploded, John Henry 5
13Mar82-9SA 1 1/2 @:4832:0342:29 gd 5 118 77 1/2 42 1/2 1hd 13 1/2 GuerrWA4 Sn Mrno H 70 Lanarkland, Desvelo, SunshineSwag 8
13Mar82—Run in two divisions, 8th & 9th races.
27Feb82-8SA 1 1/2 @:4812:0222:271fm 4 1/2 115 98 1/2 32 43 75 GrrWA10 Sn Ls Obs H 74 RegalBearing, LeDucdeBar, Goldiko 10
14Feb82-7SA 1 1/2 @:4641:1131:50 gd 6 1/2 114 65 1/2 62 1/2 2hd 12 1/2 Guerra W A7 Aw35000 77 Lanarkland, Gonzales, YellowMrmlde 8
31Jan82-5SA 1 1/2 @:4721:1141:493gd 41 112 55 54 4nk 2 1/2 Guerra W A2 70000 78 Serang, Lanarkland, Mr. Mud 9
6Oct81 @5Brighton(Eng) 1 1:413gd*3-2 118 @ 7 Reid J Bramber TowerWin, MnInThMiddl, Smckovr 13
21Sep81 @4Bath(Eng) a1 1/4 2:133gd 20 125 @ 53 1/2 Perks S Langridge H Aventura, Blakenor, LadyofCornwll 19
31Aug81 @4Epsom(Eng) 1 1/2 2:394gd 20 160 @ 59 1/2 BsttIJ Gntlmn Amtr Rdrs H No Bombs, Gay George, GetStoned 8
27Aug81 @6Brihgton(Eng) 1 1/2 2:293fm 6 1/2 140 @ 616 Reid J Rottingdean H BuncBoy, SkrryDnc, FoolsTstimony 11
5Aug81 @4Brighton(Eng) 1 1/2 2:263fm 10 133 @ 38 1/2 Reid J Brghtn Chllng Cp Bunce Boy, Lohengrin, Lanarkland 9
Apr 17 SA @ 3f fm :35 h (d) Apr 13 SA @ 1yl 1:424 h (d) Apr 7 SA @ 4f fm :48 h (d) Mar 24 SA 7f ft 1:263 h

*Desvelo

Own.—Saddle Hill Farm & Winick

114

Dk. b. or br. h. 5, by Decano II—Bronze Gem, by Tobin Bronze
Br.—Haras Tarapaca (Chile)
Tr.—Winick Randy
Lifetime 13 4 2 4 \$71,393
Turf 10 4 1 3 \$67,887

1982 5 3 1 1 \$58,450
1981 4 0 0 1 \$4,725

26Mar82-8SA 1 1/4 @:4641:3622:004fm*7-5 122 55 1/2 42 3 1/2 2 1/2 Toro F7 Aw32000 82 CaptainGeneral, Desvelo, NotbleAxe 7
26Mar82—Placed first through disqualification
13Mar82-9SA 1 1/2 @:4832:0342:29 gd 2 1/2 116 1hd 11 2hd 23 1/2 ShomkrW7 Sn Mrno H 66 Lanarkland, Desvelo, SunshineSwag 8
13Mar82—Run in two divisions, 8th & 9th races.
20Feb82-5SA 1 1/4 @:4731:36 2:003fm 3 1/2 121 11 1/2 12 14 13 1/2 Toro F3 Aw27000 84 Desvelo, Chancey Bidder, Dip 8
6Feb82-7SA 1 1/4 @:4521:3522:002fm 4 1/2 115 47 1/2 12 1/2 12 1/2 11 1/2 Toro F5 Aw20000 85 Desvelo, Padirac, Flying Gene 9
29Jan82-7SA 1 1/8 @:472 1:112 1:423ft 7 115 52 1/2 42 1/2 43 36 Toro F8 Aw20000 82 DurbanDeep, Parson'sLeder, Desvelo 8
18Dec81-5Hol 1 1/2 @:4811:1211:482fm 3 1/2 e 116 1 1/2 1 1/2 31 42 1/2 Hawley S3 Aw19000 85 BlueDncrII, SpringDiggr, Amrpour 8
4Nov81-7SA 1 1/2 @:47 1:1041:473fm 21 117 42 1/2 31 1/2 44 34 1/2 Gallitano G5 Aw22000 85 Caesar'sProfile, HomeBound, Desvelo 6
21Oct81-2SA a6 1/2 f @:212 :44 1:14 fm 48 116 64 1/2 79 1/2 79 1/2 89 1/2 Gallitano G8 Aw25000 80 AlwysAChnc, NowndThn, MdnghtMn 8
7Oct81-7SA 6 1/2 f :22 :443 1:152ft 87 1125 64 1/2 79 1/2 10 12 11 17 Schoeller CF1 Aw20000 76 StarRoute, NowndThen, Cloonwillin 11
30Nov80 @9ClubHipico(Chile a1 1/4 2:01 fm 11 123 @ 34 1/2 Escbr0 CIFernandoFantiniB Rasputin, Chalotin, Desvelo 7
Apr 15 SA @ 4f fm :482 h (d) Apr 10 SA @ 1fm 1:422 h (d) Apr 4 SA 4f ft :482 h Mar 23 SA 4f ft :50 h

Exploded

Own.—Bradley—Chandler—Whittingham

118

Dk. b. or br. h. 5, by Cougar II—Blow Up II, by Abdos

Br.—Bradley—Whittingham—Wynne (Ky)

Tr.—Whittingham Charles

Lifetime 29 3 8 5 \$377,375

1982 4 0 3 0 \$64,875

1981 16 1 4 2 \$213,750

Turf 18 1 6 3 \$234,425

28Mar82-8SA 1½①:4622:00 2:24 fm 8-5e 126 45½ 43½ 21 23½ Sibille R2 Sn Ls Ry 92 Perrault, Exploded, John Henry 5
 13Mar82-8SA 1½①:4842:0222:272gd*3-2 119 22½ 22½ 25 25 Sibille R3 Sn Mrno H 73 LemhiGold,Exploded,ChnceyBidder 8

13Mar82—Run in two divisions, 8th & 9th races.

28Feb82-3SA 1½①:4731:1211:471fm*7-5 115 65 63½ 44 21½ Sibille R1 Aw40000 89 Patti's Triumph, Exploded, Isopach 6
 15Feb82-8SA 1½①:462 1:10 1:41 ft 4e 114 75½ 41½ 44 42½ McCrronCJ7 El Monte 93 WoodlandLad,SirDncr,LemhiGold 10
 8Nov81-8SA 1½①:4721:5932:232fm 7½e 126 54 65½ 57½ 59½ McCrronCJ2 Oak Tree 88 John Henry, Spence Bay, The Bart 7
 25Oct81-8SA 1¼①:48 1:3632:003fm 3e 116 85½ 108 108½ 812 McHrDG5 C F BurkeH 72 SpencBy,ProvidntIII,SuprMomnt 10
 9Oct81-8SA 1¼①:4841:37 2:014fm 4 115 75½ 42 43 23½ CastanedaM7 Aw40000 74 SuperMoment,Exploded,BeechGro 8
 7Sep81-8Dmr a1¼:463 1:352 1:572ft 2½e 115 812 86½ 89 811 Toro F4 Dmr Inv H 79 Wickerr, Tahitian King, GalaxyLibra 8
 16Aug81-8Dmr 1½①:4931:14 1:494fm 6 114 76½ 74½ 74½ 52½ CastanedM4 E Read H 86 Wickerr,SuperMoment, MikeFogrtly 7
 2Aug81-8Dmr 1½①:46 1:10 1:41 ft 3½ 115 67½ 44½ 36 34½ CstnedM7 Sn Diego H 90 SummerTimeGuy,Shmgo,Exploded 7
 Apr 14 SA ① 5½ fm :59½ h (d) Apr 10 SA ① 7½ fm 1:29½ h (d) Apr 5 SA ① 5½ gd 1:02½ h (d) Mar 21 SA 5½ ft 1:00½ h

Lemhi Gold

Own.—Jones A U

121

Ch. c. 4, by Vaguely Noble—Belle Marie, by Candy Spots

Br.—Jones A U (Ky)

Tr.—Barrera Lazaro S

Lifetime 11 4 2 1 \$123,745

1982 4 2 1 1 \$73,675

1981 7 2 1 0 \$50,070

Turf 3 3 0 0 \$81,305

13Mar82-8SA 1½①:4842:0222:272gd 2½ 119 12½ 12½ 15 15 GuerrWA4 Sn Mrno H 78 LemhiGold,Exploded,ChnceyBidder 8
 13Mar82—Run in two divisions, 8th & 9th races.

25Feb82-8SA 1½①:4641:1111:48 fm*8-5 113 42 41½ 1½ 11½ Guerra W A8 Aw35000 87 LemhiGold,Fingal'sCave,Essenbee 10
 15Feb82-8SA 1½①:462 1:10 1:41 ft 3½ 114 43 31½ 33½ 31½ Guerra WA1 El Monte 95 WoodlandLad,SirDncr,LemhiGold 10
 6Feb82-6SA 1½①:462 1:094 1:41 ft *4-5 114 53½ 33½ 23½ 25½ Guerra W A4 Aw25000 90 Shashy, Lemhi Gold, Call MeMister 7
 29Aug81-8Bel 1 :444 1:082 1:331ft 12 117 108½ 913 913 915 VelsquezJ11 Jerome H 87 Noble Nashua, Maudlin, Sing Sing 11
 15Aug81-8Sar 1¼:463 1:372 2:034sy 17 126 811 911 923 726 Vasquez J6 Travers 55 WillowHour,PlesntColony,LordAvi 10
 2Aug81-8Sar 1½①:47 1:103 1:491ft 3½ 117 53 33 31½ 2½ CordroAJr6 Jim Dandy 88 WillowHour,LemhiGold,SilvrSuprm 8
 9Jly81-9Hol 1 ①:4621:1031:35 fm 2½ 114 44 62½ 4½ 1½ McCrrnCJ6 Westwood 94 Lemhi Gold,RockSoftly,IslandWhirl 7
 9Jly81—Run in two divisions, 8th & 9th races.
 28Mar81-8SA 1½①:46 1:10 1:42 ft *3-2 119 57½ 68 711 58 Pincay LJr6 Sn Flpe H 83 Stnchrry,SplndidSpruc,FlyingNshu 12
 19Mar81-7SA 1 :452 1:093 1:351ft *1-5 120 44 44½ 46½ 49 Pincay L Jr5 Aw22000 84 Torso, Native Tactics, El Jebel 5
 Apr 15 SA ① 4½ fm :49½ h (d) Apr 9 SA ① 1 fm 1:39 h (d) Mar 28 SA 4½ ft :40½ h Mar 23 SA 3½ ft :36½ h

***Regal Bearing ***

Own.—Longden & Carr Stables

118

Ch. h. 6, by Viceregal—Mia Pola, by Relko

Br.—Niarchos S (Eng)

Tr.—Longden John

Lifetime 30 11 3 0 \$309,426

1982 6 2 0 0 \$155,225

1981 6 2 1 0 \$52,400

Turf 22 8 3 0 \$209,716

3Apr82-8GG 1½①:483 1:13 1:46 m 5½ 117 46½ 41½ 12 13½ Baze R A4 G G H 73 ReglBring,VisiblPol,ScorTwntyFour 5
 20Mar82-8GG 1 ①:48 1:1221:364yl *2½ 121 96½ 75½ 78½ 811 Steiner JJ4 S F Mle H 72 Silveyville, Visible Pole, ASureHit 10
 27Feb82-8SA 1½①:4812:0222:271fm 3½e 114 43 2nd 12½ 13½ SteinerJJ5 Sn Ls Obs H 79 RegalBearing,LeDucdeBar,Goldiko 10
 15Feb82-8SA 1½①:462 1:10 1:41 ft 26 114 95½ 85½ 912 814 Gilligan L10 El Monte 82 WoodlandLad,SirDncr,LemhiGold 10
 7Feb82-7SA a6½f ①:213 :4341:133fm 5e 118 74½ 65½ 712 813 Steiner J J2 Hcp0 78 Mr.PrimMinistr,TrmmILuck,PirtLw 8
 31Jan82-7SA 6f :213 :442 1:084ft 13 1115 68 68 67½ 57½ Steiner J J3 Aw35000 86 Mr.PrmMnstr,Empr'sKy,FingChck 6
 9Oct81-8SA 1¼①:4841:37 2:014fm 3½ 122 11 2nd 2½ 45½ ShoemakerW5 Aw40000 73 SuperMoment,Exploded,BeechGro 8
 20Oct81-8SA 6½f:22 :45 1:152ft 9-5 122 66½ 67 511 411 ShoemakerW5 Aw34000 82 BigPrsnttion,TonUp,ExcutiveCounsl 6
 5Sep81-8Dmr 1½①:4811:1211:42 fm *3½ 121 55½ 63½ 54½ 22 ShomkrW10 Escndo H 97 Advocatum,ReglBering,MjorSport 10
 26Aug81-7Dmr 1½①:464 1:104 1:414ft *2-3 117 1hd 2hd 1hd 1nk ShoemakerW3 Aw32000 91 Regal Bearing, Damas, I'llStandPat 6
 Apr 14 SA ① 7½ fm 1:26½ h (d) Mar 29 GG 5½ sy 1:06½ h (d) Mar 17 SA tr.1 5½ sy 1:01 h Mar 13 SA 6½ sl 1:15½ h

Silveyville

Own.—Qvale K H

118

B. c. 4, by Petrone—Zurina, by Successor

Br.—Tanaka & Tanaka (Cal)

Tr.—Campbell E L

Lifetime 17 7 3 2 \$285,155

1982 5 1 1 0 \$76,075

1981 11 6 1 2 \$207,130

Turf 7 4 1 0 \$243,250

3Apr82-8GG 1½①:483 1:13 1:46 m 8-5 122 2½ 1hd 47 414 Winick D5 G G H 59 ReglBring,VisiblPol,ScorTwntyFour 5
 20Mar82-8GG 1 ①:48 1:1221:364yl 3 121 11½ 12 13 16 Winick D6 S F Mle H 83 Silveyville, Visible Pole, ASureHit 10
 21Feb82-8SA 1¼①:4341:34 1:591fm 11 120 31½ 11151127 — OlivresF11 Sra Nvda H — HighCounsel,HndsomeOn,IrishHrt 11
 21Feb82—Eased
 10Feb82-8SA 1¼①:4731:3812:043yl 8½ 117 11½ 2½ 21½ 25 Olivares F6 Arcadia H 59 Perrault, Silveyville, Le Duc de Bar 7
 17Jan82-8SA 1½①:452 1:092 1:473ft 17 123 77½ 89 911 715 Winick D7 Sn Frndo 76 It's the One, Princelet, Rock Softly 9
 12Dec81-8BM 1½①:4841:1341:533sf 7½ 120 14 1hd 31½ 43 Winick D8 B M H 69 SuperMoment,TahitianKing,TheBrt 8
 28Nov81-8BM 1½①:4821:1321:481sf 3½ 120 12 1½ 11½ 1½ Winick D5 B M Dby H 67 Silveyvill,SunshinSwg,Tmpo'sTigr 10
 15Nov81-9Hol 1½①:4621:1031:481fm 27 122 11 11½ 11 1no Winick D1 Hol Dby 89 Silveyville,FrenchSssfrs,WtrwyDriv 8
 15Nov81—Run in two divisions, 8th & 9th races.
 24Oct81-8BM 1½①:4711:1241:451fm 19 111 13 21 2½ 1nk Winick D7 Ascot H 82 Silveyville,LordTrendy,WterwyDriv 7
 9Oct81-8BM 1½①:451 1:101 1:412ft 3 114 1hd 31½ 48½ 512 Winick D1 Rnd Tbl H 80 Chiaroscuro,FairShast,Productivity 7
 Apr 14 GG ① 7½ fm 1:31 h (d) Mar 13 GG 6½ gd 1:12 h Mar 6 GG 6½ ft 1:13½ h Feb 18 SA 4½ ft :47½ h

*Rankin

Own.—Cimarron Stable

Ch. h. 5, by Owen Dudley—Cup Cake, by Dan Cupid		1982 3 1 0 0		\$23,000
Br.—Loder Mrs E (Fra)		1981 4 0 1 0		\$14,532
Tr.—Mulhall Richard W		Turf 17 4 3 1		\$152,206
Lifetime 17 4 3 1		\$152,206		
4Apr82-8SA	1½ ①:4721:1131:483gd 21 117	44½ 41½ 2½ 1½	Pincay L Jr5 Aw40000	84 Rankin, Patti's Triumph, Glenorum 8
27Mar82-3SA	1½ ①:46 1:0941:462fm 8½ 117	2½ 31½ 43 57½	Pincay L Jr2 Aw40000	87 Falamoun, Pirate Law, Captain Nick 9
24Feb82-7SA	a6½f ①:22 :4431:14 fm 11 115	86½ 97½ 911 99½	McCarronCJ3 Aw35000	79 Kangaroo Court, Belfort, Jimsel 9
4Jun81♦3Epsom(Eng)	1½ 2:442gd 33 126	① 5 StrkG	Coronation Cup(Gr1)	Master Willie, Prince Bee, Vielle 5
1May81♦4Newmarket(Eng)	1½ 2:38 gd 4 119	① 422 StrkyG	Jockey Club(Gr3)	Master Willie, Kings Ride, Fenney Mill 6
25Apr81♦3Sandown(Eng)	1¼ 2:112gd 2½ 120	① 21½ StrkeyG	Westbury(Gr3)	Hard Fought, Rankin, Vielle 7
15Apr81♦2Newmarket(Eng)	1¼ 1:542gd 3 122	① 49 StrkyG	Earl of Sefton(Gr3)	Hrd Fought, Moryshire, Plyboy Jubile 9
18Oct80♦2Newmarket(Eng)	1¼ 2:053gd 14 122	① 42½ StrkyG	Champion(Gr1)	Cairn Rouge, Master Willie, Nadjar 13
29Jly80♦4Goodwood(Eng)	1½ 2:38 gd 2½ 128	① 413 StrkeyG	Gordon(Gr3)	Prince Bee, Fingals Cave, Light Cavly 6
28Jun80♦3Curragh(Ire)	1½ 2:434yl 12 126	① 79½ StrkG	Irish Sweeps Dby(Gr1)	Tynavos, Prince Bee, Ramian 13
Apr 12 SA 1gd 1:413 h		Mar 25 SA 4ft :452 h		Mar 20 SA 7ft 1:264 h
		Mar 6 SA ① 1fm 1:421 h (d)		

Captain General

Own.—Hughes L T (Lessee)

B. h. 5, by Vaguely Noble—Charming Alibi, by Honeys Alibi		1982 5 0 1 0		\$11,775
Br.—Hunt N B (Ky)		1981 5 1 1 0		\$48,225
Tr.—Whittingham Charles		Turf 8 1 1 0		\$54,625
Lifetime 17 2 3 1		\$75,425		
8Apr82-5SA	1½ ①:4621:1031:481fm*4-5 114	90½ 87 54½ 42½	McCarronCJ3 Aw26000	83 †Rostropovich, Tom's Serend, Islndr 12
26Mar82-8SA	1¼ ①:4641:3622:004fm 9-5 114	67½ 31 4½ 1½	† McCarronCJ5 Aw32000	83 †Captain General, Desvelo, Notble Axe 7
† 26Mar82—Disqualified and placed fourth				
27Feb82-8SA	1½ ①:4812:0222:271fm 4½ 113	10161016 89 86	VlnzulPA7 Sn Ls Obs H 73	Regal Bearing, Le Duc de Bar, Goldiko 10
20Feb82-5SA	1¼ ①:4731:36 2:003fm*4-5 115	814 67½ 57½ 46½	ValenzuelPA4 Aw27000	77 Desvelo, Chancey Bidder, Dip 8
7Feb82-5SA	1¼ ①:47 1:3622:004fm*9-5 115	1010 51½ 31 2hd	ValenzuelPA9 Aw27000	83 Jurisconsult, Cptn Gnrl, Prncly Vrdct 11
9Apr81-8SA	1¼ ①:4641:35 1:591fm 5 116	713 76½ 78½ 64½	VlenzulPA7 Grg Ryl H 86	Rusty Canyon, Beech Grove, Catermn 7
14Mar81-8SA	1½ ①:4622:0022:244fm 22 113	97½ 94½ 55 1no	VlnzulPA6 Sn Mrno H 91	Captain General, Aliyoun, †Catermn 12
25Feb81-7SA	1½ ①:47 1:104 1:483ft *9-5 117	711 77½ 76½ 56	ShoemakerW2 Aw23000	80 Defince, Roylly True, Mster Cermonis 7
12Feb81-9SA	1½ ①:464 1:103 1:484ft 3½ 117	717 613 51½ 22	ShoemakerW3 Aw24000	83 Chucky Bby, Cptn Generl, HerbgrrLd 7
16Jan81-5SA	1¼ ①:4531:1031:482fm 8½ 117	819 87½ 85 52	Pierce D10 Aw22000	83 Viking, Macdon, †Benefactor 10
16Jan81—Placed fourth through disqualification				
Apr 16 SA 3ft :352 h		Apr 5 SA 6ft 1:134 h		Mar 21 SA 6ft 1:134 h
		Mar 8 SA ① 5ft fm 1:004 h (d)		

*Perrault

Own.—Baron de Zuylen & Fradkoff

Ch. h. 5, by Djakao—Innocent Air, by Court Martial		1982 3 2 1 0		\$263,900
Br.—Sasse & Shead (Eng)		1981 8 3 2 1		\$203,566
Tr.—Whittingham Charles		Turf 19 7 4 3		\$456,442
Lifetime 20 7 5 3		\$556,442		
28Mar82-8SA	1½ ①:4622:00 2:24 fm 8-5e 126	11½ 11½ 11 13½	Pincay L Jr5 Sn Ls Ry 95	Perrault, Exploded, John Henry 5
7Mar82-8SA	1¼ ①:45 1:342 1:59 ft 4½e 126	57 41½ 1½ 1not	Pincay L Jr4 S A H 94	†Perrault, John Henry, It's the One 11
† 7Mar82—Disqualified and placed second				
10Feb82-8SA	1¼ ①:4731:3812:043yl *8-5 124	44½ 1½ 11½ 15	Pincay L Jr7 Arcadia H 64	Perrault, Silveyville, Le Duc de Bar 7
8Nov81-8SA	1½ ①:4721:5932:232fm 7½e 126	42½ 55½ 711 715	St Martin Y5 Oak Tree 83	John Henry, Spence Bay, The Bart 7
4Oct81♦4Longchamp(Fra)	a1½ 2:351sf 27 130	① 42½ SmnH	Arc de Triomphe (Gr1)	Gold River, Bikala, April Run 24
30Aug81♦4Deauville(Fra)	a1½ 2:583fm*6-5 131	① 1hd StMrtY	Grnd Prix de Deuville(Gr2)	Perrault, Castle Keep, Glenorum 11
14Jly81♦6StCloud(Fra)	a1½ 2:382gd*6-5 130	① 12½ StMrtY	Prix Muricede Nieul(Gr2)	Perrault, Roi Guillaume, Dom Menotti 10
23May81♦5Evry(Fra)	a1½ 2:423gd 6½ 124	① 2hd StMrtY	Gr Pr d'Evry (Gr2)	Lancastrian, Perrault, Kelbomec 12
10May81♦6Longchamp(Fra)	a1½ 2:492sf *2½ 123	① 1hd StMrtY	La Coupe(Gr3)	Perrult, Sonof Love, Monsiur Dgobrt 10
20Apr81♦2Longchamp(Fra)	a1½ 2:332gd 2½ 121	① 31½ StMrtY	Prix d'Hedouville	Lancastrian, En Calcat, Perrault 10
Apr 14 SA ① 5ft fm :59 h (d)		Apr 10 SA ① 1fm 1:464 h (d)		Apr 5 SA ① 5ft gd 1:073 h (d)
		Mar 27 SA ① 3ft fm :361 h (d)		

Analyst's Comment

EIGHTH RACE

- 1—Perrault
- 2—Lemhi Gold
- 3—Exploded

PERRAULT has done just about everything asked of him this winter and won't have arch rival John Henry to battle today. This import ran a winning race at just about this distance in France under 131 pounds, which suggests he'll have no problems with 129 pounds, although this race has been a jinx for topweights. LEMHI GOLD has found his calling on the turf and has won all three of his grass starts in good style. However, this is an exacting distance and he's second topweight at 121. EXPLODED loves a distance and was second to Obrastsovy in this fixture last year. LANARKLAND is better than his last and he could be the upsetter under 116 pounds and leading rider Eddie D.

SWEEP'S Santa Anita Graded Handicaps

EIGHTH RACE *Probable Post, 4:45*
ABOUT 1 3/4 MILES.(turf) 43rd running of THE SAN JUAN CAPISTRANO INVITATIONAL HANDICAP (Grade I). 4-Year-Olds and Up. . Purse \$300,000.

10	PERRAULT	Pincay L Jr	129	Field at his mercy	1-5
4	LEMHI GOLD	Guerra W A	121	Going great for Laz	5-1
3	EXPLODED	Shoemaker W	118	Runs best against best	1-5
5	REGAL BEARING	Steiner J J	118	Won Golden Gate 'Cap	12-1
7	SILVEYVILLE	Winick D	118	Dangerous early speed	15-1
9	CAPTAIN GENERAL	McCrrnCJ	113	Flopped at odds-on	1-5
1	LANARKLAND	Delahoussaye E	116	Last in San Luis Rey	20-1
8	RANKIN	Hawley S	117	Rang bell at 21-1	20-1
6	RAINBOW CONNECTION	CstdM	115	Look for improvement	20-1
2	DESVELO	Toro F	114	Good try to easier	20-1
Coupled—Perrault, Exploded and Captain General.					



EXPERTS' SELECTIONS

Consensus Points: 5 for 1st (best 7), 2 for 2d, 1 for 3d. Best in CAPITALS.

Trackman, Warren Williams

SANTA ANITA

Selections Made for Fast Track

TRACKMAN	HANDICAP	ANALYST	HERMIS	SWEEP	CONSENSUS	
8	PERRAULT EXPLODED LEMHI GOLD	PERRAULT EXPLODED LEMHI GOLD	PERRAULT REGAL BEARING LEMHI GOLD	PERRAULT LEMHI GOLD EXPLODED	PERRAULT LEMHI GOLD EXPLODED	27 7 6

The tote board was as follows:

	#1 Entry of Exploded, Captain General, and Perrault	#4 Lemhi Gold	Totals
With nine minutes to post time			
Odds	1—5	3—1	
Win pool	86,716	26,684	138,011
Place pool	76,728	13,277	103,643
Show pool	68,451	4,796	83,830
With seven minutes to post time			
Odds	2—5	5—2	
Win pool	92,620	31,028	152,377
Place pool	88,450	14,921	118,856
Show pool	73,009	5,954	91,464
With three minutes to post time			
Odds	2—5	5—2	
Win pool	107,936	41,934	189,118
Place pool	95,831	17,551	134,935
Show pool	84,990	6,994	109,578
With one minute to post time			
Odds	2—5	5—2	
Win pool	117,171	45,591	205,973
Place pool	101,114	18,762	143,313
Show pool	97,604	7,483	124,437
Yield of last-minute surge of betting			
Odds	1—2	5—2	
Win pool	141,334	50,790	238,741
Place pool	108,593	19,610	153,673
Show pool	107,094	8,643	136,568
At post time			
Odds	2—5	3—1	
Win pool	154,169	52,104	253,952
Place pool	116,750	19,820	157,537
Show pool	112,441	8,753	142,689

Throughout the betting period, about a fifth of the win pool was bet on Lemhi Gold, consistent with his 5—2 or 3—1 odds. But only about one-sixteenth of the show pool was bet on Lemhi Gold. After correction for the track take of 15%, one minute before post time the expected value of a dollar bet to show on Lemhi Gold was a whopping 1.97! (This expected value was about the same throughout the betting period.) This would normally be an outstanding Dr. Z system bet on a very top horse, a most enviable position to be in. Further analysis, however, showed this to be a smoke screen. The minus-pool betting on the field made a show bet on Lemhi Gold or any other horse an unattractive proposition.

To establish this conclusion we utilized the data with one minute to post time, when one would normally be doing the final calculations concerning a possible bet. The probability that Lemhi Gold would win the race was about 0.221, and the probability that he would come in second 0.204, and third 0.182. At these odds he would be in the money about 60.7% of the time.

There were three possible outcomes: (1) Lemhi Gold and at least one of the entry horses would finish in the money with a show payoff of \$2.10; (2) Lemhi Gold would finish out of the money with a show payoff of zero, which would occur with a probability of 0.393;* and (3) Lemhi Gold would finish in the money and all the entry horses would finish out of the money, in which case the payoff for show would be quite high.

If Lemhi Gold came in without any of the entry horses, he would have to pay \$23.80 to show for the bet to be a fair proposition. In fact, from the

*The probability that Lemhi Gold would win was $q_{LG} = W_{LG}/W = 45,591/205,973 = 0.221$. The probability that each of the three entry horses would win was about $q_E = 117,171/(205,973)3 = 0.190$. The probabilities that the other five long-shot horses would win were about $q_{LS} = 0.210/5 = 0.0420$. The probability that Lemhi Gold would be second was then about

$$q_{LG} \times \left\{ \frac{3q_E}{1 - q_E} + \frac{5q_{LS}}{1 - q_{LS}} \right\} = 0.204$$

and third,

$$q_{LG} \times \left\{ 3 \frac{2q_E^2}{(1 - q_E)(1 - 2q_E)} + \frac{5q_E q_{LS}}{(1 - q_E)(1 - q_{LS} - q_E)} + 5 \frac{2q_E q_{LS}}{(1 - q_{LS})(1 - q_{LS} - q_E)} + \frac{4q_{LS}^2}{(1 - q_{LS})(1 - 2q_{LS})} \right\} = 0.182.$$

Thus the place probability was 0.425, the show probability 0.607, and the probability that Lemhi Gold would be out of the money was $1 - 0.607 = 0.393$.

final tote board values, Lemhi Gold would have paid only \$9.80.* The \$9.80 would have been quite a good payoff in its own right, given that Lemhi Gold went off at 3—1.

Thus the minus pool makes all show bets poor betting opportunities, regardless of how good they might look.

The only bet in this race that made any sense was Lemhi Gold to win. If Lemhi Gold's chances of winning were 25% or better, then the bet was reasonable. I thought so and bet it accordingly. It turned out to be a wise investment.

The final result was an easy victory for Lemhi Gold. Perrault, heavily weighted at 129, was unable to mount a late charge and finished third. Exploded took second. The chart of the race was as follows:

*The probability that Lemhi Gold would be in the money with none of the triple entry horses was

$$\underbrace{\frac{q_{LG}(5)(4)q_{LS}^2}{(1 - q_{LS})(1 - 2q_{LS})}} + \underbrace{\frac{q_{LG}(5)(4)q_{LS}^2}{(1 - q_{LS})(1 - q_{LS} - q_{LG})}} + \underbrace{\frac{q_{LG}(5)(4)q_{LS}^2}{(1 - q_{LG})(1 - q_{LS} - q_{LG})}} = 0.0335.$$

Lemhi Gold
third

Lemhi Gold
second

Lemhi Gold
first

The probability that Lemhi Gold would be in the money was 0.607. Thus the probability that Lemhi Gold would be in the money with at least one of the entry horses was $0.607 - 0.0335 = 0.574$.

To break even on a show bet on Lemhi Gold, the expected profit must be equal to zero:

$$0 = -1(0.393) + 0.05(0.574) + O_{LG}(0.0335).$$

Solving for the show odds, $O_{LG} = 10.875$, or a payoff of \$23.75 or \$23.80 with breakage. The actual O_{LG} was

$$\frac{QS - (S_{LG} + 2S_{LS})}{3S_{LG}} = \frac{(1 - 0.15)(142,689) - [8,753 + 2(4,299)]}{3(8,753)} = 3.958$$

which yielded a payout after breakage of \$9.80.

San Juan Capistrano Handicap

EIGHTH RACE Santa Anita

APRIL 18, 1982

ABOUT 1 3/4 MILES.(turf). (2:45 2/5) 43rd Running THE SAN JUAN CAPISTRANO HANDICAP (Grade I). Purse \$300,000. Invitational Handicap. 4-year-olds and upward. By invitation, with no nomination or starting fees. The winner to receive \$180,000, with \$60,000 to second, \$36,000 to third, \$18,000 to fourth and \$6,000 to fifth. Weights to be published Wednesday, April 7. The Los Angeles Turf Club will invite a field of the

highest-weighted horses to accept. In the event that one or more of these decline, those weighted below them will

be invited in weight order to replace them. The field will be drawn by the closing time of entries, Friday, April 16. A trophy will be presented to the owner of the winner.

Value of race \$300,000, value to winner \$180,000, second \$60,000, third \$36,000, fourth \$18,000, fifth \$6,000. Mutuel pool \$554,178, Minus place pool \$4,378.03, Minus show pool \$5,968.06. Exacta Pool \$401,828.

Last Raced	Horse	Eqt.	A.Wt	PP	St	1	1¼	1½	Str	Fin	Jockey	Odds \$1	
13Mar82 8SA1	Lemhi Gold		4	121	4	42	32½	24	1hd	12½	17	Guerra W A	3.10
28Mar82 8SA2	Exploded		5	118	3	9	81	6hd	41	32	21¾	Shoemaker W	a-.40
28Mar82 8SA1	Perrault	b	5	129	9	21	2½	1½	21	26	32½	Pincay L Jr	a-.40
8Apr82 5SA4	Captain General		5	113	8	81	7½	71	61½	51½	4nk	McCarron C J	a-.40
4Apr82 8SA1	Rankin		5	117	7	61	51½	51	31½	43	53½	Hawley S	19.60
28Mar82 8SA5	Lanarkland		6	116	1	7hd	9	9	72	67	613	Delahoussaye E	14.00
3Apr82 8GG4	Silveyville		4	118	6	11½	15	3½	8hd	81	7½	Winick D	36.70
26Mar82 8SA1	Desvelo		5	115	2	31	42½	41	51	72	8nk	Castaneda M	27.10
3Apr82 8GG1	Regal Bearing		6	118	5	55	6½	81½	9	9	9	Steiner J J	21.80

a-Coupled: Exploded, Perrault and Captain General.

OFF AT 5:23 Start good, Won easily. Time, :23, :46, 1:09 1/5, 1:33 4/5, 1:58 4/5, 2:45 3/5, Course firm.

\$2 Mutuel Prices:

4-LEMHI GOLD	8.20	2.10	2.10
1-EXPLODED (a-entry)		2.10	2.10
1-PERRAULT (a-entry)		2.10	2.10
\$5 EXACTA 4-1 PAID \$33.00.			

Ch. c, by Vaguely Noble—Belle Marie, by Candy Spots. Trainer Barrera Lazaro S. Bred by Jones Aaron U (Ky).

LEMHI GOLD, taken in hand after the start, raced in good position while reserved off the pace through the first mile, moved to closer contention outside of PERRAULT on the front stretch, was roused a bit to stay alongside that one when PERRAULT moved strongly to the lead on the backstretch, got the advantage on the stretch turn and quickly drew off when set down in the upper stretch. EXPLODED, unhurried until after 10 furlongs, rallied when set down but could not reach close contention. PERRAULT, reserved off the early pace and moved strongly to the lead early on the backstretch, matched strides with the winner to the stretch then weakened in the final furlong. CAPTAIN GENERAL failed to threaten.

Owners— 1, Jones Aaron U; 2, Bradley & Chandler & Whittingham; 3, Fradkoff & Van Zuylen; 4, Hughes L T; 5, Cimarron Stable; 6, Sweeney Tara Brianne; 7, Qvale K H; 8, Savoca & Winick; 9, Longden-Carr Stable.

Trainers— 1, Barrera Lazaro S; 2, Whittingham Charles; 3, Whittingham Charles; 4, Whittingham Charles; 5, Mulhall Richard W; 6, West Ted; 7, Headley Bruce; 8, Winick Randy; 9, Longden John.

Overweight: Desvelo 1 pound.

Scratched—Rainbow Connection (3Apr82 8SA5).

My win bet provided a handsome payoff, and the rest of the tote board's \$2.10s reflected the minus pools. An even more outstanding bet was the 4—1 exacta, which paid \$33 for a \$5 bet, or \$6.60 per dollar bet, considerably more than the \$4.10 per dollar bet in the win pool.

The conclusion of the analysis is this: When there is a minus pool with a minimum payoff of \$2.10, do not bet to place or show on any horses, regardless of how attractive a bet on one of them appears to be. The only bets that are of possible interest are in the win or features pools. The decision to bet on such latter situations should be based on handicapping estimates that the probability of winning exceeds the odds estimate of the horses' chances. In localities such as Kentucky where the minimum payoff is \$2.20, it may on occasion be advantageous to bet in a race with a minus pool. In this case, you should use an analysis like that described in Chapter Six for the Kentucky Oaks to determine the expected value per dollar bet.

Refinements to the Basic Dr. Z System



Dangers to Look For, When Not to Bet and Horses to Avoid, Conservative versus Risky Use of the Dr. Z System, and Hints on Good Betting Techniques at the Racetrack

In Chapter Five we discussed the steps needed to apply the Dr. Z system. There we considered important topics such as horses to avoid and dangers to look for. Now that you have gone through our various applications of the Dr. Z system to real races, let us consider these matters again. Reread that section. Remember not to bet on off-tracks, in minus pools, on long shots, and on "Silky Sullivans." Be careful betting on horses coming off a long layoff and on first-time starters. Bet them only if you feel very confident about their prospects of being in the money. Be sure you can both watch the tote board and wager near the end of the betting period. Don't bet too early! Also try to estimate if there are many Dr. Z system bettors at your track and if their presence is greatly affecting the quality of your bets. If so, read the appropriate section in Chapter Seventeen. Learn how to quickly use the detachable charts to determine when and how much to bet by practicing before you bet, both at home and at the track. Or get one of the calculators discussed in Chapter Five. Decide in advance if you are a strict Dr. Z system bettor or if you prefer to bet most races. If you want to stick closely to the Dr. Z system, then keep your betting fortune for these bets separate from your fun bets or those based on other systems. Don't bet unless the horse in question really does meet the suggested cutoffs: 1.10 (for Derby Day-type events), 1.14 for top tracks, and 1.18 for other tracks. If you want to increase your chances of being sure to come out ahead, bet less than the optimal Kelly amount by using one of the fractional-Kelly

strategies discussed in Chapter Five. By chopping the bet to half you will still get about 73% of the maximum growth and you will substantially increase your chances of doubling, tripling, or quadrupling your initial betting fortune before losing half of it. If you want to bet every race, then follow the advice in Chapter Fourteen. Try more or less to break even on your non-Dr. Z system bets by betting small amounts and by wagering more as the bet becomes more advantageous, with higher expected value per dollar bet and higher probability of winning. Wager the optimal amount for your Dr. Z system bets out of your Dr. Z system betting wealth, reserving your additional betting wealth for your other bets. If you think you can handicap better than $q_i = W_i/W$, then modify your betting by using the analysis later in this chapter and in Chapter Seven. Learn how to use the Harville formulas if you do this. Above all, be careful and enjoy the sport!

Regression Equations Based on Differing Wealth Levels and Track Handle

Betting-wealth level and the track handle are both very important factors in determining the optimal bet size. Certainly the larger our betting wealth, the more we will tend to bet, and since our bets affect the odds more at a small track than at a large one, we will generally bet less at the small track. Table 16.1, on optimal place betting, accounts for these factors by reporting optimal place-bet regression equations for four different wealth levels (\$50, \$500, \$2,500, \$10,000) and three different place pools (\$2,000, \$10,000, \$150,000). By averaging these equations, we can determine the optimal place bet for *any* wealth level and place pool. This is accomplished in Table 16.2, which indicates which equation from Table 16.1 to use and its corresponding weights for any wealth level and place pool. Tables 16.3 and 16.4 perform the same tasks for show betting. One further qualification: These regression equations were calibrated for a track payback proportion Q of 0.829. For Q 's other than 0.829, a correction factor in the optimal bet size must be included. This factor is discussed in the following section.

To illustrate the use of these equations, let us study the Triple Bend Handicap at Hollywood Park on May 8, 1982, that was presented in Chapter Six. The tote board one minute before post time was

	Totals	#8 Shanekite	Expected Value per Dollar Bet on Shanekite
Odds		1—1	
Win	398,851	155,321	
Show	59,163	14,585	1.18

TABLE 16.1 *The optimal place bet for various betting-wealth levels and place-pools sizes*

Place Pool (\$)	$w_0 = \$50$	$w_0 = \$500$	$w_0 = \$2,500$	$w_0 = \$10,000$
2,000	$P1$	$P2 = 261q + 256q^2 + 180q^3$ $- \left(\frac{199qP_i}{qP - 0.70P_i} \right)$	$P5 = 426q + 802q^2$ $- \left(\frac{459qP_i}{qP - 0.60P_i} \right)$	$P8 = 487q + 901q^2$ $- \left(\frac{521qP_i}{qP - 0.60P_i} \right)$
10,000	$P1 = 39q + 52q^2$ $- \left(\frac{25qP_i}{qP - 0.75P_i} \right)$	$P3 = 375q + 525q^2$ $- \left(\frac{271qP_i}{qP - 0.70P_i} \right)$	$P6 = 1,307q + 1,280q^2$ $+ 902q^3$ $- \left(\frac{993qP_i}{qP - 0.70P_i} \right)$	$P9 = 2,497q + 1,806q^2$ $+ 2,073q^3$ $- \left(\frac{2,199qP_i}{qP - 0.60P_i} \right)$
150,000	$P1$	$P4 = 505q + 527q^2$ $- \left(\frac{386qP_i}{qP - 0.60P_i} \right)$	$P7 = 2,386q + 2,668q^2$ $- \left(\frac{1,877qP_i}{qP - 0.60P_i} \right)$	$P10 = 7,072q + 10,470q^2$ $- \left(\frac{5,273qP_i}{qP - 0.70P_i} \right)$

TABLE 16.2 *Weighting factors to determine the optimal place bet for any betting-wealth level and place-pool size*

Place Pool (\$)	w_0 0–50	w_0 51–500	w_0 501–2,500
0–2,000	$\left(\frac{w_0}{50}\right)\left(\frac{P}{2,000}\right)[P1]$	$\left(\frac{500 - w_0}{450}\right)\left(\frac{P}{2,000}\right)[P1]$ + $\left(\frac{w_0 - 50}{450}\right)\left(\frac{P}{2,000}\right)[P2]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{P}{2,000}\right)[P2]$ + $\left(\frac{w_0 - 500}{2,000}\right)\left(\frac{P}{2,000}\right)[P5]$
2,001–10,000		$\left(\frac{500 - w_0}{450}\right)[P1]$ + $\left(\frac{w_0 - 50}{450}\right)\left(\frac{10,000 - P}{8,000}\right)[P2]$ + $\left(\frac{w_0 - 50}{450}\right)\left(\frac{P - 2,000}{8,000}\right)[P3]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{10,000 - P}{8,000}\right)[P2]$ + $\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{P - 2,000}{8,000}\right)[P3]$ + $\left(\frac{w_0 - 500}{2,000}\right)\left(\frac{10,000 - P}{8,000}\right)[P5]$ + $\left(\frac{w_0 - 500}{2,000}\right)\left(\frac{P - 2,000}{8,000}\right)[P6]$
10,001–150,000	$\left(\frac{w_0}{50}\right)[P1]$	$\left(\frac{500 - w_0}{450}\right)[P1]$ + $\left(\frac{w_0 - 50}{450}\right)\left(\frac{150,000 - P}{140,000}\right)[P3]$ + $\left(\frac{w_0 - 50}{450}\right)\left(\frac{P - 10,000}{140,000}\right)[P4]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{150,000 - P}{140,000}\right)[P3]$ + $\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{P - 10,000}{140,000}\right)[P4]$ + $\left(\frac{w_0 - 500}{2,000}\right)\left(\frac{150,000 - P}{140,000}\right)[P6]$ + $\left(\frac{w_0 - 500}{2,000}\right)\left(\frac{P - 10,000}{140,000}\right)[P7]$

TABLE 16.2 (continued)

Place Pool (\$)	w_0 2,501–10,000	w_0 10,001 +
150,001 +	$\left(\frac{500 - w_0}{450} \right) [P1]$ $+ \left(\frac{w_0 - 50}{450} \right) [P4]$	$\left(\frac{2,500 - w_0}{2,000} \right) [P4]$ $+ \left(\frac{w_0 - 500}{2,000} \right) [P7]$
0–2,000	$\left(\frac{10,000 - w_0}{7,500} \right) \left(\frac{P}{2,000} \right) [P5]$ $+ \left(\frac{w_0 - 2,500}{7,500} \right) \left(\frac{P}{2,000} \right) [P8]$	$\left(\frac{P}{2,000} \right) [P8]$
2,001–10,000	$\left(\frac{10,000 - w_0}{7,500} \right) \left(\frac{10,000 - P}{8,000} \right) [P5]$ $+ \left(\frac{10,000 - w_0}{7,500} \right) \left(\frac{P - 2,000}{8,000} \right) [P6]$ $+ \left(\frac{w_0 - 2,500}{7,500} \right) \left(\frac{10,000 - P}{8,000} \right) [P8]$ $+ \left(\frac{w_0 - 2,500}{7,500} \right) \left(\frac{P - 2,000}{8,000} \right) [P9]$	$\left(\frac{10,000 - P}{8,000} \right) [P8]$ $+ \left(\frac{P - 2,000}{8,000} \right) [P9]$

TABLE 16.2 (continued)

Place Pool (\$)	w_0 2,501–10,000	w_0 10,001 +
10,001–150,000	$\left(\frac{10,000 - w_0}{7,500}\right)\left(\frac{150,000 - P}{140,000}\right)[P6]$ $+ \left(\frac{10,000 - w_0}{7,500}\right)\left(\frac{P - 10,000}{140,000}\right)[P7]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)\left(\frac{150,000 - P}{140,000}\right)[P9]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)\left(\frac{P - 10,000}{140,000}\right)[P10]$	$\left(\frac{150,000 - P}{140,000}\right)[P9]$ $+ \left(\frac{P - 10,000}{140,000}\right)[P10]$
150,001 +	$\left(\frac{10,000 - w_0}{7,500}\right)[P7]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)[P10]$	$[P10]$

TABLE 16.3 *The optimal show bet for various betting-wealth levels and show-pool sizes*

Show Pool (\$)	$w_0 = \$50$	$w_0 = \$500$	$w_0 = \$2,500$	$w_0 = \$10,000$
1,200		$S2 = 9 + 994q^2 - 464q^3$ $- \left(\frac{150qS_i}{qS - 0.80S_i} \right)$	$S5 = 13 + 1,549q^2 - 901q^3$ $- \left(\frac{303qS}{qS - 0.60S_i} \right)$	
6,000	$S1 = 10 + 183q^2 - 135q^3$ $- \left(\frac{11S_i}{qS - 0.80S_i} \right)$	$S3 = 86 + 1,516q^2 - 968q^3$ $- \left(\frac{90.7S_i}{qS - 0.85S_i} \right)$	$S6 = 53 + 5,219q^2 - 2,513q^3$ $- \left(\frac{934qS_i}{qS - 0.70S_i} \right)$	$S8 = 58 + 7,406q^2 - 4,211q^3$ $- \left(\frac{1,359qS_i}{qS - 0.65S_i} \right)$
100,000		$S4 = 131 + 2,150q^2 - 1,778q^3$ $- \left(\frac{150S_i}{qS - 0.70S_i} \right)$	$S7 = 533 + 9,862q^2 - 7,696q^3$ $- \left(\frac{571S_i}{qS - 0.80S_i} \right)$	$S9 = 1,682 + 28,200q^2 - 16,880q^3$ $- \left(\frac{1,769S_i}{qS - 0.85S_i} \right)$

I am concerned that there are several errors in Table 16.3.

TABLE 16.4 *Weighting factors to determine the optimal show bet for any betting-wealth level and show-pool size*

Show Pool (\$)	w_0 0–50	w_0 51–500	w_0 501–2,500
0–1,200	$\left(\frac{w_0}{50}\right)\left(\frac{S}{1,200}\right)[S1]$	$\left(\frac{500 - w_0}{450}\right)\left(\frac{S}{1,200}\right)[S1]$ $+ \left(\frac{w_0 - 50}{450}\right)\left(\frac{S}{1,200}\right)[S2]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{S}{1,200}\right)[S2]$ $+ \left(\frac{w_0 - 500}{2,000}\right)\left(\frac{S}{1,200}\right)[S5]$
1,201–6,000		$\left(\frac{500 - w_0}{450}\right)[S1]$ $+ \left(\frac{w_0 - 50}{450}\right)\left(\frac{6,000 - S}{4,800}\right)[S2]$ $+ \left(\frac{w_0 - 50}{450}\right)\left(\frac{S - 1,200}{4,800}\right)[S3]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{6,000 - S}{4,800}\right)[S2]$ $+ \left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{S - 1,200}{4,800}\right)[S3]$ $+ \left(\frac{w_0 - 500}{2,000}\right)\left(\frac{6,000 - S}{4,800}\right)[S5]$ $+ \left(\frac{w_0 - 500}{2,000}\right)\left(\frac{S - 1,200}{4,800}\right)[S6]$

TABLE 10.1 (Continued)

Show Pool (\$)	w_0 0–50	w_0 51–500	w_0 501–2,500
6,001–100,000	$\left(\frac{w_0}{50}\right)[S1]$	$\left(\frac{500 - w_0}{450}\right)[S1]$ $+ \left(\frac{w_0 - 50}{450}\right)\left(\frac{100,000 - S}{94,000}\right)[S3]$ $+ \left(\frac{w_0 - 50}{450}\right)\left(\frac{S - 6,000}{94,000}\right)[S4]$	$\left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{100,000 - S}{94,000}\right)[S3]$ $+ \left(\frac{2,500 - w_0}{2,000}\right)\left(\frac{S - 6,000}{94,000}\right)[S4]$ $+ \left(\frac{w_0 - 500}{2,000}\right)\left(\frac{100,000 - S}{94,000}\right)[S6]$ $+ \left(\frac{w_0 - 500}{2,000}\right)\left(\frac{S - 6,000}{94,000}\right)[S7]$
100,001 +		$\left(\frac{500 - w_0}{450}\right)[S1]$ $+ \left(\frac{w_0 - 50}{450}\right)[S4]$	$\left(\frac{2,500 - w_0}{2,000}\right)[S4]$ $+ \left(\frac{w_0 - 500}{2,000}\right)[S7]$

TABLE 16.4 (continued)

Show Pool (\$)	w_0 2,501–10,000	w_0 10,001 +
0–1,200	$\left(\frac{S}{1,200}\right)[S5]$	
1,201–6,000	$\left(\frac{6,000 - \cancel{w_0}}{4,800}\right)[S5]$ $+ \left(\frac{10,000 - w_0}{7,500}\right)\left(\frac{S - 1,200}{4,800}\right)[S6]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)\left(\frac{S - 1,200}{4,800}\right)[S8]$	$\left(\frac{6,000 - S}{4,800}\right)[S5]$ $+ \left(\frac{S - 1,200}{4,800}\right)[S8]$
6,001–100,000	$\left(\frac{10,000 - w_0}{7,500}\right)\left(\frac{100,000 - S}{94,000}\right)[S6]$ $+ \left(\frac{10,000 - w_0}{7,500}\right)\left(\frac{S - 6,000}{94,000}\right)[S7]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)\left(\frac{100,000 - S}{94,000}\right)[S8]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)\left(\frac{S - 6,000}{94,000}\right)[S9]$	$\left(\frac{100,000 - S}{94,000}\right)[S8]$ $+ \left(\frac{S - 6,000}{94,000}\right)[S9]$
100,001 +	$\left(\frac{10,000 - w_0}{7,500}\right)[S7]$ $+ \left(\frac{w_0 - 2,500}{7,500}\right)[S9]$	[S9]

Suppose our betting wealth is \$400. We refer to the show Table 16.4 with $w_0 = \$400$ and $S = \$59,163$. This indicates that the show regression equations needed from Table 16.3 are $S1$, $S3$, and $S4$. The $S1$ equation is weighted by $(500 - w_0)/450 = (500 - 400)/450 = 0.222$ and the $S3$ equation is weighted by

$$\left(\frac{w_0 - 50}{450}\right)\left(\frac{100,000 - S}{94,000}\right) = \left(\frac{400 - 50}{450}\right)\left(\frac{100,000 - 59,163}{94,000}\right) = 0.338,$$

and the $S4$ equation is weighted by

$$\left(\frac{w_0 - 50}{450}\right)\left(\frac{S - 6,000}{94,000}\right) = \left(\frac{400 - 50}{450}\right)\left(\frac{59,163 - 6,000}{94,000}\right) = 0.440.$$

The sum of the weights is one: $0.222 + 0.338 + 0.440 = 1.000$. From Table 16.3 with $w_0 = \$400$, $S = \$59,163$, $S_i = \$14,585$, and $q = W_i/W = 155,321/398,851 = 0.389$, equation $S1$ is

$$\begin{aligned} 10 + 183q^2 - 135q^3 - \frac{11S_i}{qS - 0.80S_i} &= 10 + 183(0.389)^2 - 135(0.389)^3 \\ &\quad - \frac{11(14,585)}{(0.389)(59,163) - (0.80)(14,585)} \\ &= 10 + 27.7 - 7.9 - 14.1 = \$16. \end{aligned}$$

For simplicity, we write q rather than q_i in these formulas.

Similarly, equation $S3$ is

$$\begin{aligned} 86 + 1,516q^2 - 968q^3 - \frac{90.7S_i}{qS - 0.85S_i} \\ = 86 + 229.4 - 57.0 - 124.6 = \$134, \end{aligned}$$

and equation $S4$ is

$$\begin{aligned} 131 + 2,150q^2 - 1,778q^3 - \frac{150S_i}{qS - 0.70S_i} \\ = 131 + 325.3 - 104.7 - 170.9 = \$181. \end{aligned}$$

From the calculated weightings, the optimal show bet is

$$(0.222)(16) + (0.338)(134) + (0.440)(181) = \$128.$$

Since California has $Q = 0.85$, we must include a correction factor for Q different from 0.829. We will return to our example after discussing this correction factor.

Adjusting the Optimal Bet Size for Differing Track Paybacks

An increase in the track payback Q is beneficial to the bettor, since it will mean larger payoffs on winning tickets. This is illustrated in Figure 9.4, which shows how a change in Q can have a surprisingly large effect on long-run profits. To account for differing Q 's, we must be able to calculate expected values per dollar bet and optimal bet sizes for any Q . Equations (4.5) and (4.6) accomplish the former, and in this section we discuss how to adjust the optimal betting results of Tables 16.1 to 16.4, since they were calibrated for $Q = 0.829$. The adjustment steps follow:

1. Use Tables 16.1 and 16.2 to calculate the optimal place bet p^* or Tables 16.3 and 16.4 to calculate the optimal show bet s^* for a track payback of 0.829.

2. To p^* add the adjustment factor

$$(Q - 0.829)(3.16p^* + 0.0351w_0), \quad (16.1)$$

or to s^* add the adjustment factor

$$(Q - 0.829)(3.16s^* + 0.0351w_0). \quad (16.2)$$

These steps result in the correct optimal bet size. For Q larger than 0.829, the adjustment factor is positive; for Q less than 0.829, it is negative.

To illustrate, let's return to the Triple Bend Handicap example. Step 1 gave $s^* = \$128$. Since $w_0 = \$400$ and $Q = 0.85$ in California, step 2 indicates that the correct optimal show bet is

$$\begin{aligned} 128 + (0.85 - 0.829)[(3.16)(128) + (0.0351)(400)] \\ = 128 + 9 = \$137. \end{aligned}$$

Adjustments for Coupled Entries

Occasionally, two or more horses are run as a single coupled entry, or simply entry, because (1) an owner or a trainer has two or more horses in

the same race, or (2) there are more horses than the tote board can accommodate. The latter case is more commonly called a field. The entry wins, places, or shows if any of the horses wins, places, or shows. If the horses in the entry come first and second, all the place pool goes to the place tickets on the entry. If two of three of the in-the-money horses are from the entry, then two-thirds of the show pool goes to the tickets on the entry (rather than the usual third).^{*} Finally, if all the in-the-money horses are from the entry, then the entire show pool goes to the show tickets on the entry.

Because of the possibility that the entry will collect the whole place pool or a major portion, or even all, of the show pool, the expected value per dollar bet to place or show on the entry is higher than if the entry were just one horse. Equations (4.7) and (4.8) indicated how to adjust the expected-value formulas for coupled entries. Here we describe the steps we took to adjust the optimal betting for coupled entries.

Place betting on horse i

1. Set $q = W_i/W$.
2. Let

$$\tilde{q} = 0.991q + 0.1378q^2 + 3.47 \times 10^{-7}w_0. \quad (16.3)$$

3. Use \tilde{q} , w_0 , P , P_i in Tables 16.1 and 16.2.

Show betting on horse i

1. Set $q = W_i/W$.
2. Let

$$\tilde{q} = 1.07q + 4.13 \times 10^{-7}w_0 - 0.00663. \quad (16.4)$$

3. Use \tilde{q} , w_0 , S , S_i in Tables 16.3 and 16.4.

This method does not attempt the difficult task of setting up a new set of tables similar to Tables 16.1 to 16.4, but specifically designed for coupled entries. Rather, it simply increases q to \tilde{q} , where \tilde{q} is the single-horse entry probability that leads you to bet the optimal amount when q is a two-horse entry probability.

There is still greater advantage to a three-or-more-horse entry or field. The additional benefits, however, become very small once you move beyond accounting for the entry as two horses. For this reason we suggest the

^{*}In some locales the split is 50-50, as each betting opportunity shares the profit equally.

simplification of considering all coupled entries or fields as two-horse entries.

Also, if the Dr. Z system underestimates the value of a bet on an entry (before we perform the adjustments), then it stands to reason that it overestimates the value of a bet on a single horse running against an entry. While this is true, tests have shown that this overestimation is very small, and that for all practical purposes we may ignore it.

Adjustments for Making More Than One Bet

The optimal-bet equations assume that you are making only one place bet or one show bet in a race. If the expected-value equations indicate that there is more than one Dr. Z system bet in the race, then it is *not* correct to calculate each of the optimal bets using the regression equations and then wager those amounts. If you did, you would often be overbetting—although often, for diversification reasons, you would be underbetting. This should indicate why accounting mathematically for multiple bets is difficult. The most common multiple bet is a Dr. Z system place bet and a Dr. Z system show bet on the same horse. We have carefully analyzed this situation.

If the expected-value formulas from Chapter Four, accounting for any necessary adjustment factors, indicate making a Dr. Z system bet to both place and to show on a horse, then the recommended procedure is as follows:

1. Use Tables 16.1 to 16.4 to determine the suggested place bet p^* and show bet s^* .
2. Make any necessary adjustments on p^* and s^* for $Q \neq 0.829$ or for a coupled entry.
3. Let the *true* optimal place bet \tilde{p}^* be

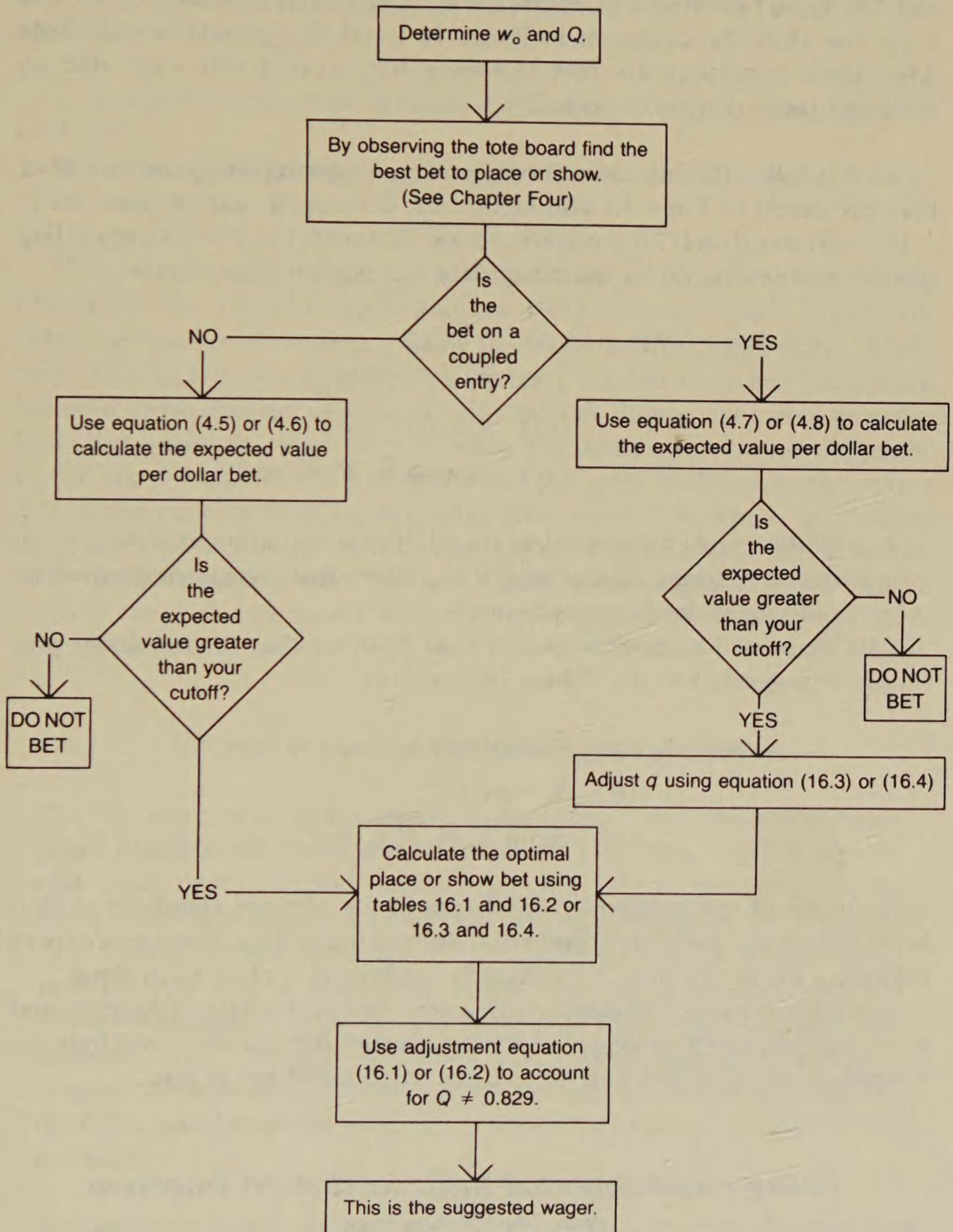
$$\tilde{p}^* = \min\{p^*, 1.59p^* - 0.639s^*\} \quad (16.5)$$

and the true optimal show bet \tilde{s}^* be

$$\tilde{s}^* = 0.907s^* - 0.134p^*. \quad (16.6)$$

4. Wager the amounts \tilde{p}^* and \tilde{s}^* .

*Flow Chart of the Betting Rules for a Single Bet to Place or Show**



*For place and show bets on the same horse, follow this flow chart for each bet and then adjust the place- and show-betting amounts using equations (16.5) and (16.6).

Warning: The equations in Tables 16.1 and 16.3 are the result of statistical regressions using data with (1) q between 0.1 and 0.7; and (2) EX Place and EX Show (equations [4.3] and [4.4], respectively) between 1.05 and 1.40. Therefore the equations in Tables 16.1 and 16.4 should be used only when these conditions are met. However, we can deal with cases that do not meet these conditions as follows.

1. If q is less than 0.1 we recommend no wagering since the long-shot bias, presented in Table 3.1 and Figure 3.2, is working against you.

If q is greater than 0.7 it is possible to use Tables 16.1 to 16.4 by pretending q is 0.7 and scaling down the other data inputs. The procedure is:

- If $q > 0.7$ then let (i) $\tilde{q} = 0.7$
 (ii) $\tilde{P}_i = (0.7/q)P_i$
 (iii) $\tilde{S}_i = (0.7/q)S_i$
 (iv) input $\tilde{q}, \tilde{P}_i, P, \tilde{S}_i$, and S .

2. If EX Place or EX Show is less than 1.10, we recommend no wagering; even with corrections for differing Q it is unlikely that the adjusted expected value would meet the suggested cutoffs.

If EX Place or EX Show is greater than 1.40, another scaling down procedure is suggested to use Tables 16.1 to 16.4:

- Let (i) $\tilde{P}_i = qP/1.93$
 (ii) $\tilde{S}_i = qS/2.32$
 (iii) input $q, \tilde{P}_i, P, \tilde{S}_i$, and S .

An example of this procedure is Viendra in the Matinee Handicap at Hollywood Park discussed in Chapter Six. Both of the scaling down procedures indicate a lower bet than is optimal, but usually it is close to optimal.

One final warning: For horses with a very low probability of winning and a very low expected-value-per-dollar-bet, the betting equations will indicate a negative bet. Obviously in these cases the optimal bet is zero.

Using Fundamental Information to Improve the Dr. Z System

Throughout this book we have emphasized that the win market is efficient: That is, a good estimate of the probability of horse i to win is $q_i = W_i/W$. However we have also mentioned that there are some expert handicappers

who have the ability, over the long run, to calculate better win probabilities than the crowd. That is, they can determine their own q_i values. Can you, as such a handicapper, use the Dr. Z system? The answer is yes and the adjustments are very easy:

1. In the expected-value formulas of Chapter Four, use your q_i instead of W_i/W .
2. In the optimal-bet-size equations of this chapter use your q_i instead of the crowd's $q = W_i/W$.

What we are suggesting here is very similar to what we discussed in Chapter Seven. There we looked at the 1982 Belmont Stakes, which provided for other-track betting at many tracks across the United States. While each track had its own q_i estimates, we believed that since the home-track Belmont crowd had access to more information, their q_i estimates were the best. That meant that if we were at one of the other tracks, we would prefer to use the Belmont track win odds over our own track's win odds when calculating expected values and optimal bet sizes. This would be possible if our track presented the betting mutuels at Belmont on the infield screen or over the closed-circuit TVs, and this is something that is sometimes actually done. Handicappers with their own q_i estimates would use them in a similar way.

Recommended Handicapping Books

The raw material of handicapping is contained in the past-performance pages, official result charts, jockey and trainer standings, workout reports, and columns of news and commentary published in the *Daily Racing Form*. Individual methods of interpreting and evaluating this material vary widely, but the substance of handicapping is far more significant than the procedures devised by its practitioners. No matter what his school of thought may purport to be, and no matter how elaborate the gadgetry, graphs, tabulations and worksheets he may use, the handicapper's effectiveness remains below par until he applies his skills to the full range of available information (*American Racing Manual*, 1983, p. 714.)

Handicapping is still, and perhaps will remain, an art. Statistical and computer methods that combine the myriad factors that make up a race to generate the probability of a given horse's winning have, so far, met with limited success. The difficulty is that there are so many relevant factors, and these factors interact in different ways as circumstances change. The Amer-

ican Racing Manual's statement on the fundamentals of handicapping considers the most important basic factors to be class, form, consistency, distance, pace, speed, weights, rider, mud, turf, post position and paddock, and post parade. Each of these basic factors are compositions of a number of subfactors. Trying to put them together is a stimulating challenge. Good advice to help you in this regard can be found in the following:

Tom Ainslie, *Ainslie's Complete Guide to Thoroughbred Racing* (New York: Simon and Schuster, 1968).

Andrew Beyer, *Picking Winners*, (New York: Houghton Mifflin, 1975).

Andrew Beyer, *The Winning Horseplayer* (New York: Houghton Mifflin, 1983).

Steven Davidowitz, *Betting Thoroughbreds: A Professional's Guide for the Horseplayer* (New York: Dutton, 1977).

Bonnie Ledbetter and Tom Ainslie, *The Body Language of Horses* (New York: Morrow, 1980).

Each of these authors is an extremely knowledgeable and successful handicapper with over twenty years of experience. Their books are also written in a very lucid style. They are all currently active as handicappers and have written other books or are currently writing new books.

A useful recent book is

James Quinn, *The Literature of Thoroughbred Handicapping, 1965-1982*. (Las Vegas: Gamblers Book Club Press, 1983).

Quinn provides compact "abstracts" to give you the main ideas of many of the important contributions made to handicapping since 1965.

Finally, a bibliography listing many of the existing handicapping books through 1979 with brief comments on their contents is

Jack Gardner, *Gambling: A Guide to Information Sources* (Gale Research Company, Book Tower, Detroit, Michigan 48226, 1980).

These books are probably available at your local library.

Good luck! Remember that to break even on bets to win, you will need to be about 23.5% better than the average bettor, who establishes probabilities of winning for horse i of W_i/W .

Epilogue



Why Are We Making the Dr. Z System Public?

I am frequently asked why I don't quit my job as a university professor and make more money betting on the horses full time. People are shocked that I give lectures, usually without honorariums, to academics and others on the Dr. Z system and its development. They believe that I should have a whole army of Dr. Z system players betting at major North American racetracks and reap a substantial share of the profits. You may be wondering about this as well, so here's my explanation.

Academics by their very nature are inquiring people. I have more interests and demands on my time that I ever dreamed possible. For me, it's exciting to be involved in research in various areas, such as portfolio theory and management and other areas of finance, optimization under uncertainty—my true academic love, how to make decisions in an uncertain world, energy policy, and my special hobbies of Oriental rugs and the mathematics of gambling. Professors like to share their findings with colleagues all over the world—that's the academic way.

This academic jet-setting life style aside, why are Don and I making the Dr. Z system public? I'm convinced that the benefits of doing so exceed the satisfaction and profits from keeping the Dr. Z system secret. First, we shall still be able to play the Dr. Z system when we wish to join in with all the others. Second, a best-selling book brings a number of attendant benefits to the authors. Besides the royalties, it opens doors to new books, consulting and lecture activities, and other useful contacts. The exposure and attention

are fun and rewarding as well. Third, the process of developing the Dr. Z system and writing this book taught us a lot about the subject of horse racing and efficient betting markets. This will certainly be useful to us. Fourth, it is a supreme intellectual challenge to beat the races, and we wanted to present our full evidence to our critics, as well as to the general public. We believe that the evidence is quite convincing. The Dr. Z system actually works. Obviously, more evidence will be forthcoming. Many academics and serious horse players will be skeptical at first. Among other things, our whole approach of exploiting the inefficiencies in betting markets is very likely to be new to many, if not most, people. We hope this book is thorough enough to allay such skepticism. Fifth, there is a great threat of rediscovery. Several articles that we mentioned in Chapter One had ideas that are consistent with our approach. After publishing the paper "Efficiency of the Market for Racetrack Betting" in *Management Science* in November 1981, and after giving numerous talks to academic groups, as well as appearing on radio and TV talk shows, we found that our ideas are getting around. If we had not written this book, someone else probably would have. We felt it should be us.

Will the Market Become Efficient: How Much Can Be Bet by All Dr. Z System Bettors?

Naturally, as more people learn about and utilize the Dr. Z system, the place- and show-betting markets will tend to become more efficient. We would like to know the answers to two basic questions: How many people can play the Dr. Z system and still allow it to provide the kind of profits we have obtained in this book? and How many people need to be playing before their bets make the place- and show-betting markets so efficient that the profit margins of all Dr. Z systems players will shrink to virtually zero? We need also to ask how likely is the latter situation to occur, how can you recognize it, and what should you do about it?

Let's look first at the initial question and try to assess how many people can play the Dr. Z system and have it still provide the 10%–20% return on investment we have described. One way to analyze this is to determine how much additional money can be bet on a particular horse to place or show before the expected value per dollar bet reaches the suggested cutoffs for good betting opportunities. Figures 17.1, 17.2, and 17.3 give you the information to calculate this amount for place bets for cutoffs of 1.10, 1.14, and 1.18, respectively. Similarly, Figures 17.4, 17.5, and 17.6 provide this same information for show bets. Recall that 1.10 was suggested when the very highest quality horses and large pools were available at events such as the

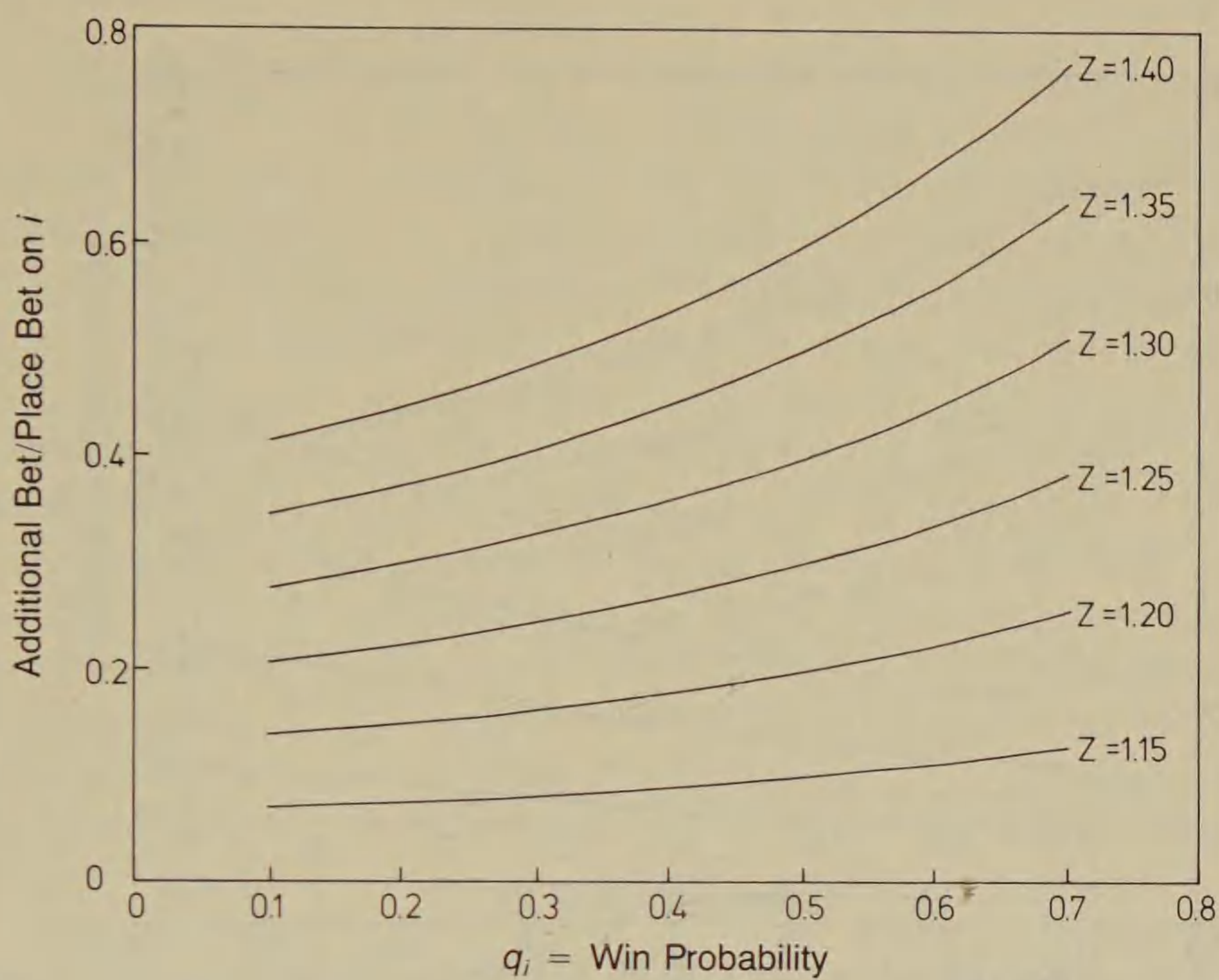


Figure 17.1 How much can be bet, B , by Dr. Z system bettors relative to the crowd's place bet P_i on horse i to lower the expected value to place on i from Z to 1.10 when the track take is 17.1%

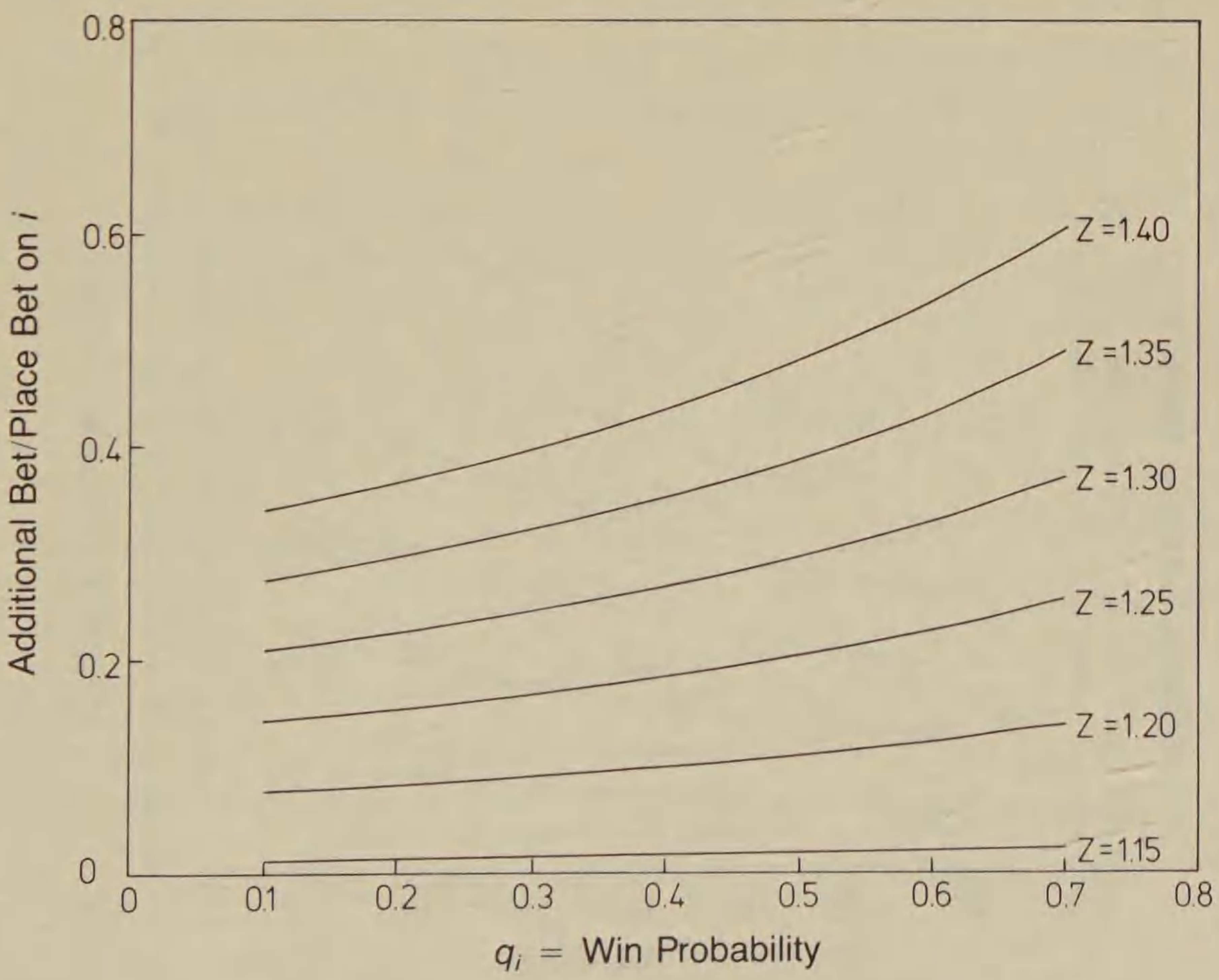


Figure 17.2 How much can be bet, B , by Dr. Z system bettors relative to the crowd's place bet P_i on horse i to lower the expected value to place on i from Z to 1.14 when the track take is 17.1%

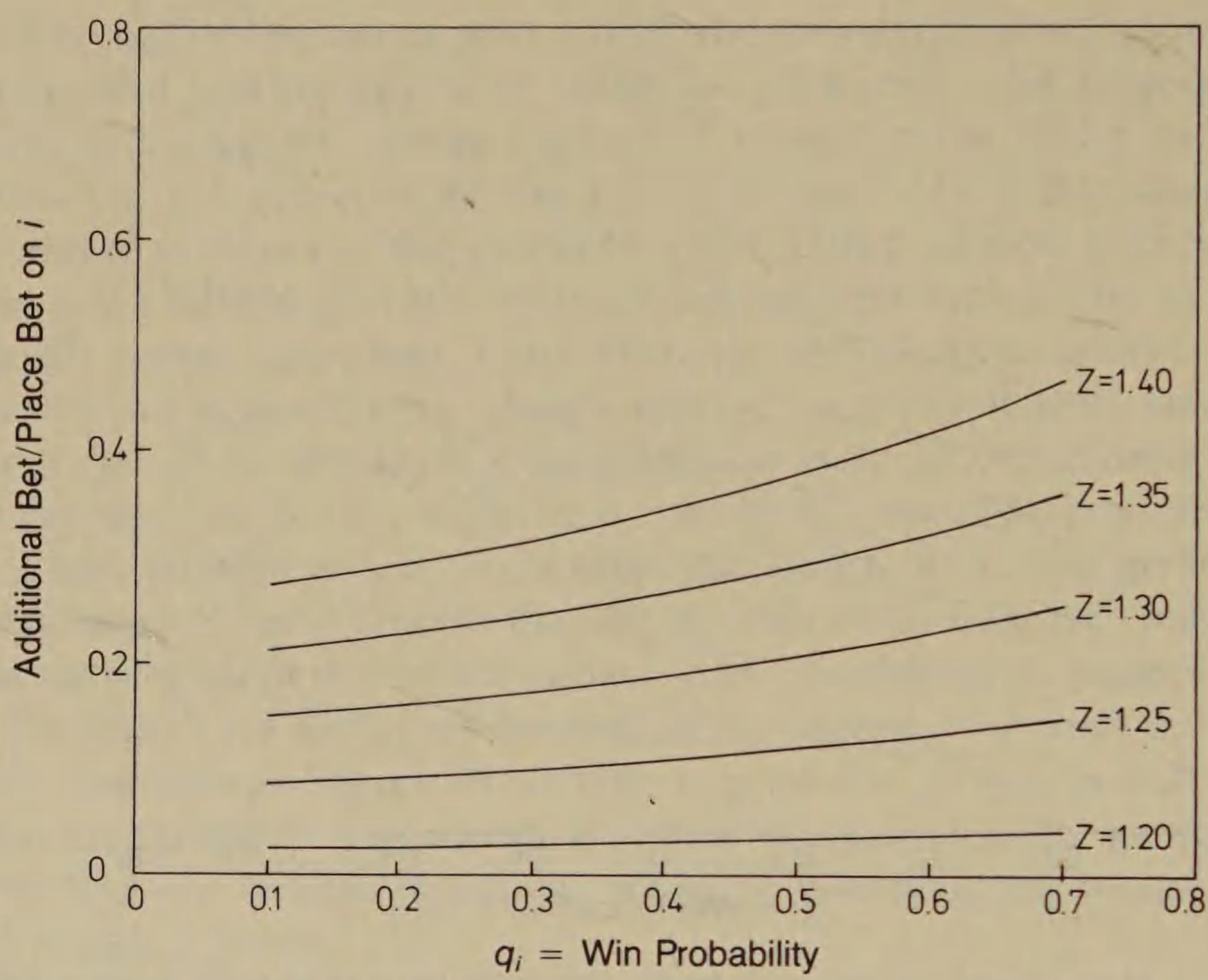


Figure 17.3 How much can be bet, B , by Dr. Z system bettors relative to the crowd's place bet P_i on horse i to lower the expected value to place on i from Z to 1.18 when the track take is 17.1%

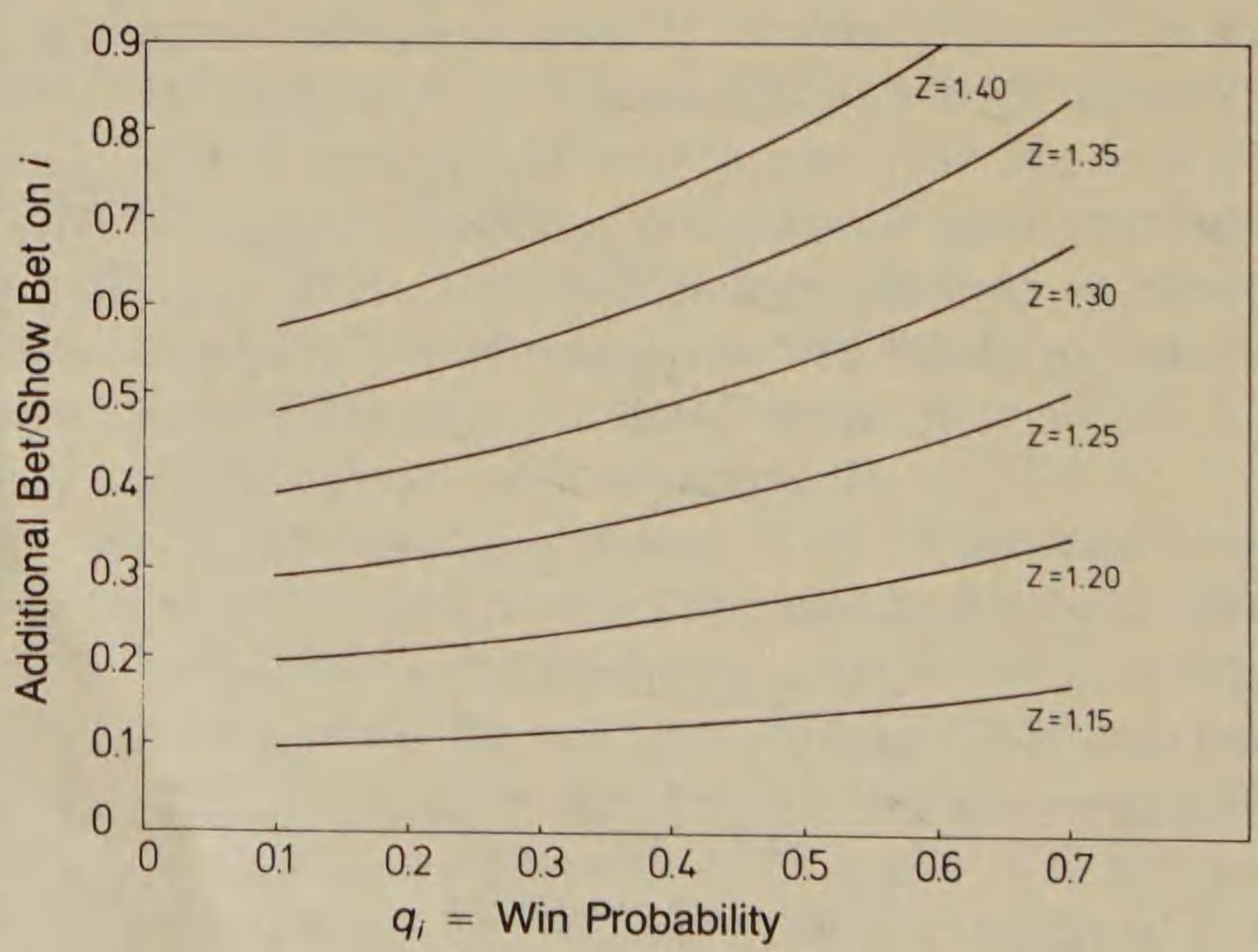


Figure 17.4 How much can be bet, B , by Dr. Z system bettors relative to the crowd's show bet S_i on horse i to lower the expected value to show on i from Z to 1.10 when the track take is 17.1%

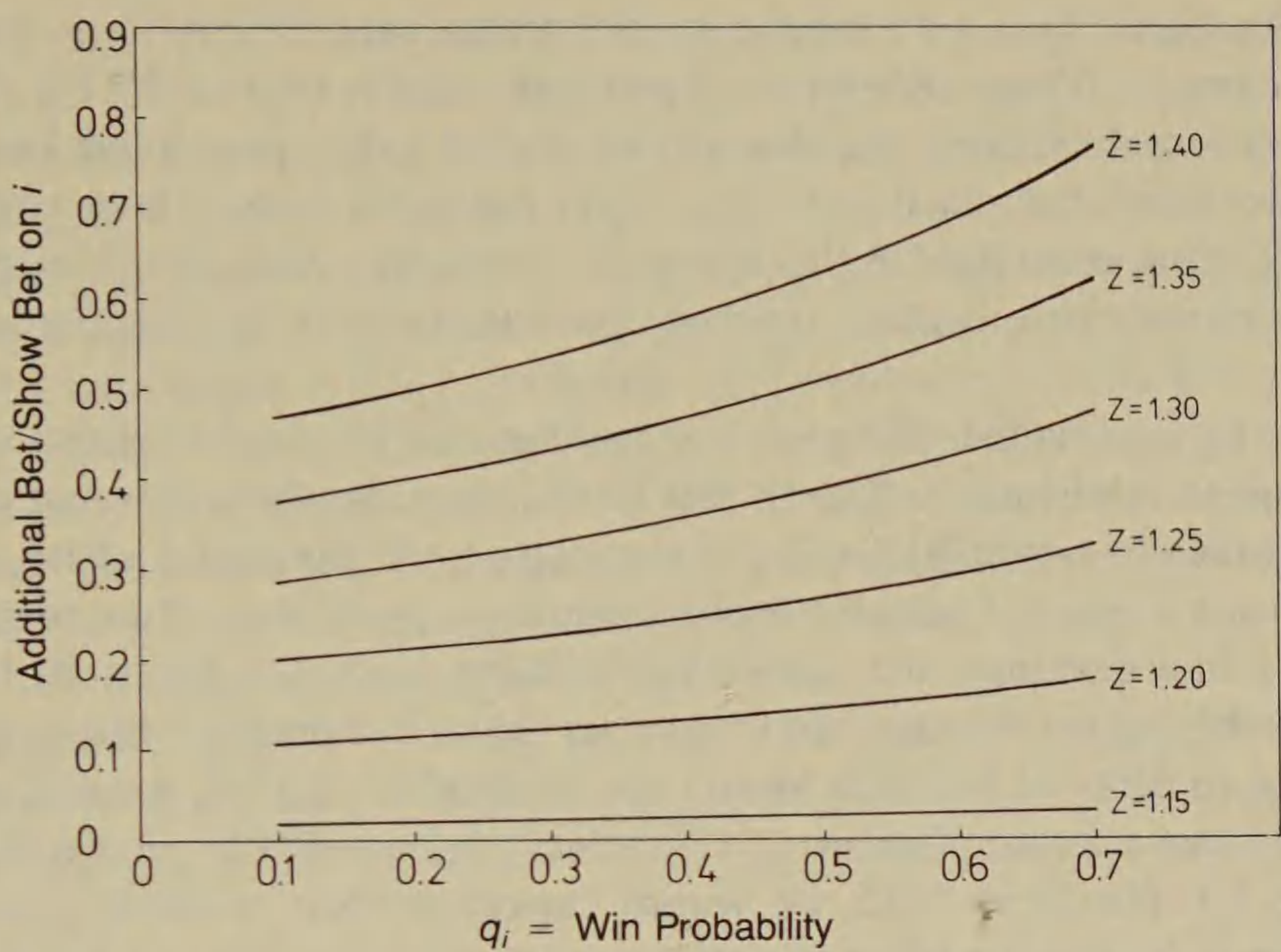


Figure 17.5 How much can be bet, B , by Dr. Z system bettors relative to the crowd's show bet S_i on horse i to lower the expected value to show on i from Z to 1.14 when the track take is 17.1%

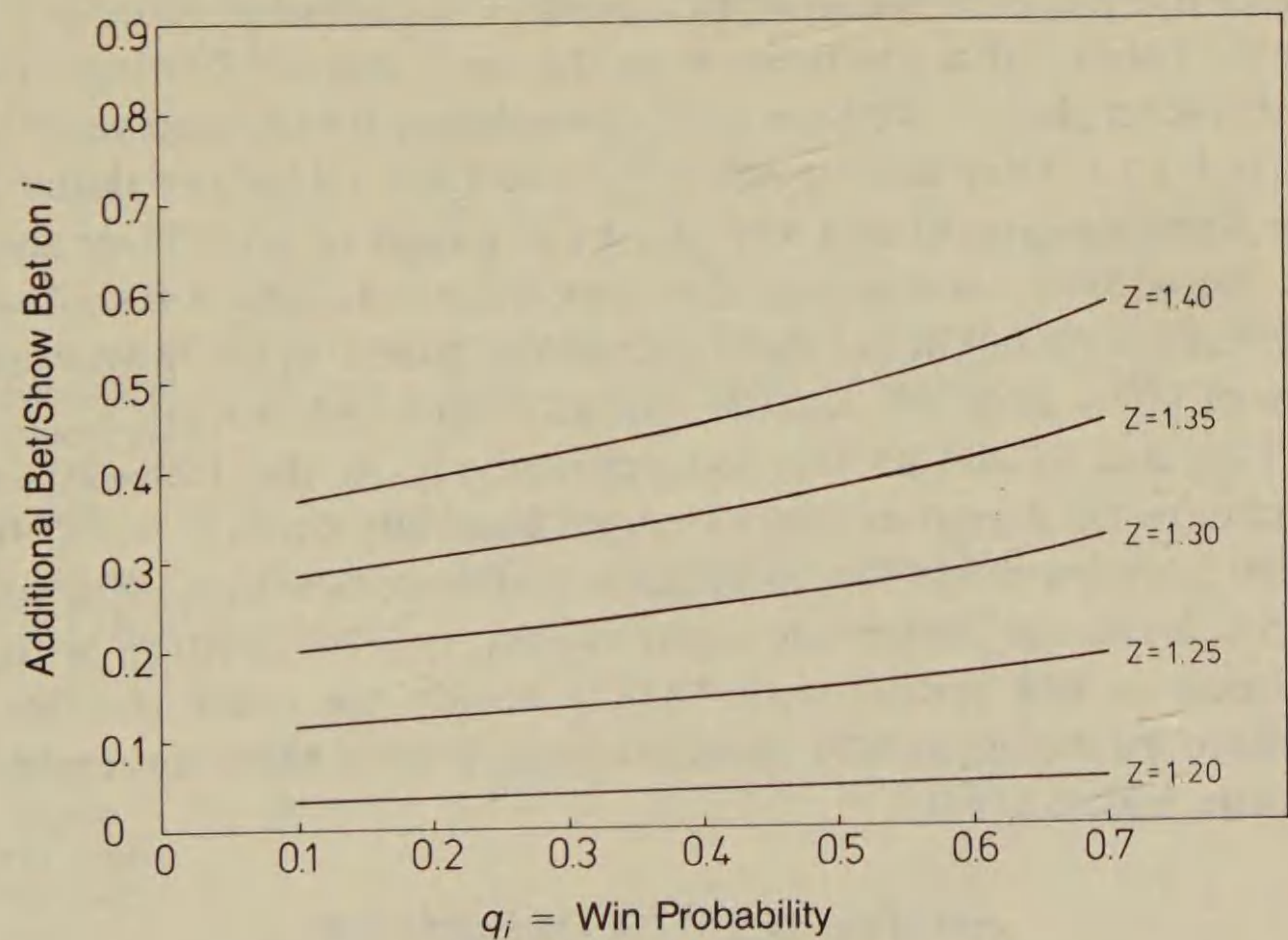


Figure 17.6 How much can be bet, B , by Dr. Z system bettors relative to the crowd's show bet S_i on horse i to lower the expected value to show on i from Z to 1.18 when the track take is 17.1%

Kentucky Derby Day, 1.14 for top-quality tracks on ordinary days, and 1.18 at other tracks. These figures are based on a track take of 17.1%. To use these figures, determine the present expected value per dollar bet using equations (4.5) for place bets and (4.6) for show bets. Then, using the probability of winning for the horse in question, read off the additional fraction of the current place or show pool that can be bet on the vertical axis.

Table 17.1 provides guidance concerning our two basic questions and addresses an additional point. In this table we made the following experiment: For each potential Dr. Z system bettor, we posited that he or she computes his optimal bet about one minute to post time. Then, using the final tote board values, we can compute how many Dr. Z system bettors there can be before the expected value per dollar bet drops to the suggested cutoff, or to 1.06, or to 1.02. At an expected value of 1.06, we still should expect to make a rate of return on our bets of about 5% based on the data in Table 5.1. Finally at 1.02, we would expect simply to break even. This experiment is close to what might happen in practice, except for the fact that we or any other Dr. Z bettors who now bet on these races would not be counted, so to be fair one might add these bettors to those in Table 17.1. Also, Dr. Z system bettors following the Kelly criterion make hefty bets, so if many bettors are following a fractional-Kelly criterion, even more people can bet.

The number of Dr. Z bettors that you can have depends upon four factors: the size of the place- or show-betting pools, the expected value per dollar bet, the probability that the horse wins the race, and the betting wealth of the Dr. Z system players. We have used examples with expected-value cutoffs of 1.10 and 1.14. They have a variety of expected values per dollar bet to place or show, ranging from a low of 1.14 to a high of 1.47. They also have various probabilities of winning that vary from 0.127 to 0.406. The total amount that can be bet in the three categories, based on likely average rates of return of 10%–20%, 5%, and 0%, ranges from \$1,411 to \$19,323, \$1,923 to \$41,175, and \$2,264 to \$68,409, respectively. At the 10%–20% level, the number of Dr. Z system bettors ranges from fifty-three to 1,757 bettors with \$200 fortunes all the way to seven to 201 bettors with \$2,000 fortunes. At the 5% level, the ranges are eighty-seven to 3,743 bettors with \$200 and thirteen to 429 bettors with \$2,000. Finally, we reach the 0% level, where there are between 103 to 6,219 bettors with \$200 and eighteen to 713 bettors with \$2,000.

Advice and Conclusions

(1) When the bet is good and the track mutuels are large, it will usually take quite a few Dr. Z system bettors to make the market efficient. (2) A

few very big bettors can certainly do the others in, so you must keep an eye out for them. (3) If you think such bettors are at your track, simply watch the tote board and don't bet or bet modestly. If the bet has an expected value of 1.20 with two minutes to post time, and it's 1.00 at post time, your worst fears have been realized. (4) Don't despair. Take a few weeks' holiday, then try it again; the big bettors may have gone away. (5) Remember that at tracks with small mutuel pools the effect of large bettors will be even greater. At such tracks, however, there are proportionally fewer people betting, and any Dr. Z system bettor bets less as well, since his or her bets will influence the odds. (6) Our experience with inefficiencies in other areas, such as blackjack and options markets, shows that it takes quite a while before the inefficiency is wiped out; the same will probably be true here. (7) People are greedy and like to brag. That will not change! Sooner or later, they will go back to their old bets and you will be able to apply the Dr. Z system successfully again, even if the market does become efficient temporarily.

TABLE 17.1 *Amount that can be bet by and number of Dr. Z system bettors to drop the expected value per dollar bet to the Dr. Z system bet cutoff, to a 5% - return-on-investment level, or the break-even point*

Name of Horse	Type of Bet	Expected Value per Dollar Bet at Post Time	Win Pool at Post Time (\$)	Win Bet on <i>i</i> at Post Time (\$)	Probability of Winning	Show or Place Pool at Post Time (\$)
C'est Moi Cheri Hollywood Park Chapter Five, pp. 93–95	Show	1.29	335,698	136,125	0.406	56,841
Sunny's Halo Churchill Downs Chapter Twelve, pp. 239–51	Show	1.14	3,143,669	745,524	0.237	1,099,990
John Henry Santa Anita Chapter Eight, pp. 152–58	Place	1.22	425,976	149,879	0.352	122,847
	Show	1.34	425,976	149,879	0.352	79,645
Viendra Hollywood Park Chapter Six, pp. 133–37	Show	1.47	129,233	16,353	0.127	27,488

TABLE 17.1 (continued)

Show or Place Bet on <i>i</i> at Post Time (\$)	Recommended Expected-Value Cutoff	Total Amount That Can Be Bet by All Dr. Z System Bettors before the Expected Value per Dollar Bet Reaches the Cutoff (\$)	Optimal Dr. Z System Bets with Betting Wealths (using data up to 1 minute to post time) of			
			\$200	\$500	\$1,000	\$2,000
12,284	1.14	4,814	91	227	383	694
179,758	1.10	19,323	11	31	52	96
27,894	1.14	3,909	14	33	70	143
14,007	1.14	6,916	68	173	311	587
1,149	1.14	1,411	22	56	72	106

Number of Dr. Z System Bettors Who Can Make the Usual Gains with Betting Wealths of				Total Amount That Can Be Bet by All Dr. Z System Bettors before the Expected Value per Dollar Bet Becomes 1.06 (\$)	Number of Dr. Z System Bettors Needed to Drop the Expected Value per Dollar Bet to 1.06, so All Bettors Will Still Have Modest Profits with Betting Wealths of			
\$200	\$500	\$1,000	\$2,000		\$200	\$500	\$1,000	\$2,000
53	21	13	7	9,229	101	40	24	13
1,757	623	372	201	41,175	3,743	1,328	792	429
279	118	56	27	8,925	637	270	127	62
102	40	22	12	12,029	177	70	39	20
64	25	20	13	1,923	87	34	27	18

Total Amount That Can Be Bet by All Dr. Z System Bettors before the Expected Value per Dollar Bet Becomes 1.02 (\$)		Number of Dr. Z System Bettors Needed to Drop the Expected Value per Dollar Bet to 1.02, so All Bettors Will Simply Break Even with Betting Wealths of			
		\$200	\$500	\$1,000	\$2,000
12,417		136	54	32	18
68,409		6,219	2,207	1,316	713
12,077		862	366	173	84
15,654		230	90	50	27
2,264		103	40	31	21

Using the Dr. Z System for Harness Racing

Although this book has been concerned with thoroughbred racing, the Dr. Z system can be used in the same way at harness races. As we saw in Figure 3.3 and Table 3.3, the win market at harness tracks is efficient. It shows the usual favorite–long-shot bias. You can make profitable place and show bets.

To test the Dr. Z system, I went to Cloverdale Raceway near Vancouver on Saturday, February 12, 1983. The program contains the past performances, driver standings, post-position statistics, percentage of winning favorites, etc. The track take for straight bets is 16.1%; it's 3% higher, or 19.1%, for the features. The driver standings report the in-the-money finishes and win-place percentages. But you need to compute the in-the-money percentages, as I have done below. Harness races generally have eight or fewer horses and standouts dominate, so top jockeys have very high in-the-money percentages. A guide for reading the racing information and a list of the major harness racing tracks in North America appear as well.

Driver standings

Up to and Including Saturday, February 5/83 Minimum 1 Drive per Day (75 drives to qualify)						
	Starts	First	Second	Third	Win and Place (%)	In the Money (%)
1. Keith Linton	281	83	45	43	45.6	60.9
2. Joe Hudon	339	90	59	50	44.0	58.7
3. John Glen	95	22	20	8	44.2	52.6
4. Mike Evans	112	24	21	16	40.2	54.5
5. Bill Davis	171	38	26	23	37.4	50.9
6. Dave Jungquist	171	25	21	37	26.9	48.5
7. Mike Stymest	86	16	20	18	41.9	62.8
8. Paul Megens	236	34	37	26	30.1	41.1
9. Sten Ericsson	202	30	27	26	28.2	41.1
10. Jim Wiggins	243	28	42	27	28.8	39.9
11. Bill Babineau	81	10	7	7	21.0	29.6
12. Bob Cameron	85	7	12	19	22.4	44.7
13. Keith Quinlan	300	29	48	44	25.7	40.3
14. Brent Beelby	206	23	25	32	23.3	38.8
15. Howard Portelance	176	22	14	31	20.5	38.1
16. Denis Linford	174	19	22	24	23.6	37.4
17. Ed Stewart	86	8	13	12	24.4	38.4
18. Phil Coleman	138	11	22	22	23.9	39.9
19. Clark Beelby	99	13	11	7	24.2	31.3
20. Al Bowman	82	9	11	8	24.4	34.1
21. Leonard Hill	113	12	14	13	23.0	34.5

WINNING POST POSITIONS

Up to and including Sat., Feb. 5, 1983 – 75 Race Days, 751 Races

	1	2	3	4	5	6	7	8
No. of Starts	751	751	751	751	748	723	635	630
No. of Wins	134	108	97	145	84	60	43	82
	dead heat	dead heat		dead heat		dead heat		

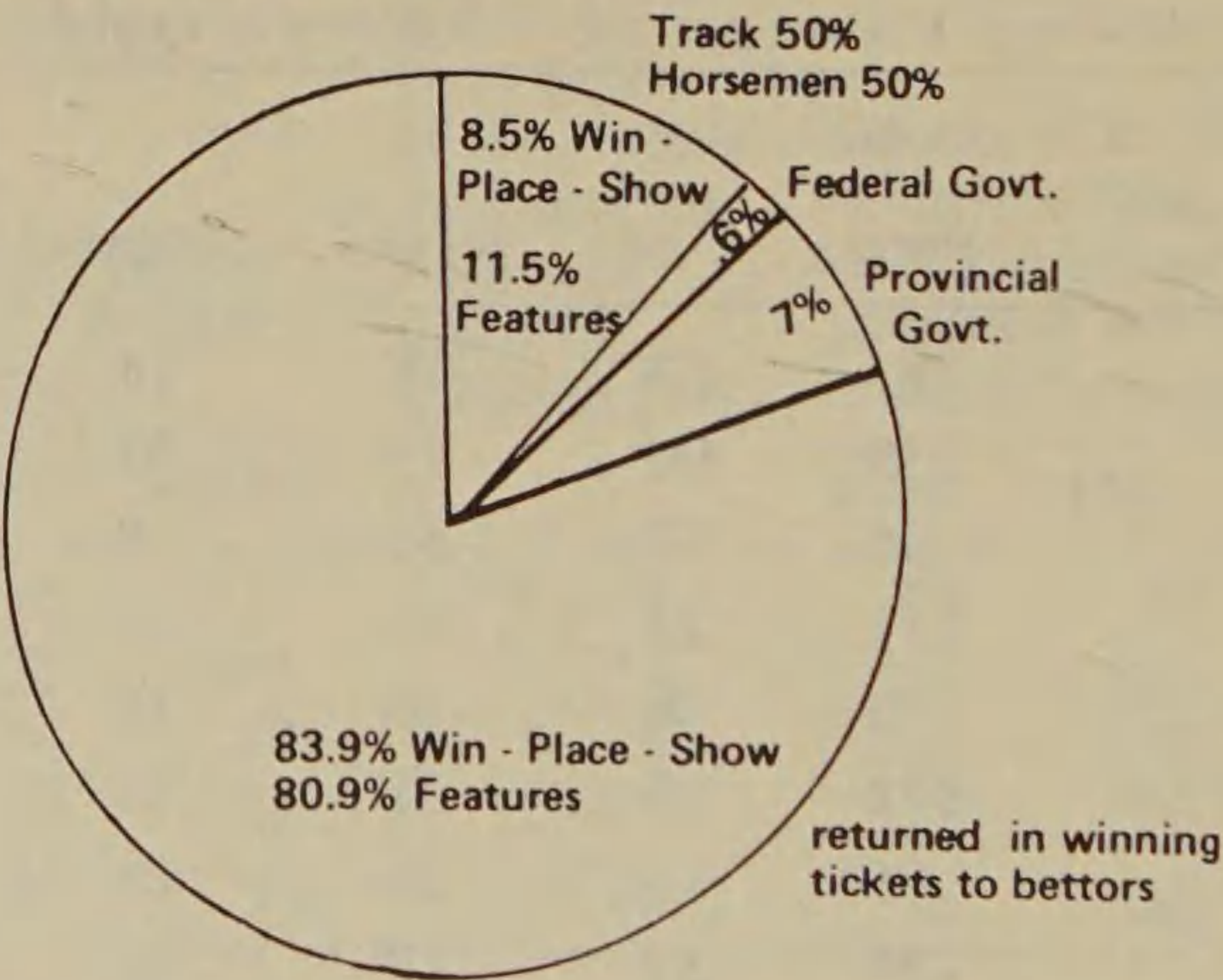
% OF WINNING FAVORITES

Up to and including Sat., Feb. 5, 1983 – 75 Race Days, 751 Races

Order of finish of favorite	1	2	3	4	5	6	7	8
No. of Wins of Favorite	286	140	108	62	48	49	28	30
% of Wins of Favorite	38%	19%	14%	8%	6%	6%	4%	5%

71% in the money

OF EVERY \$1 WAGERED AT CLOVERDALE RACEWAY ...



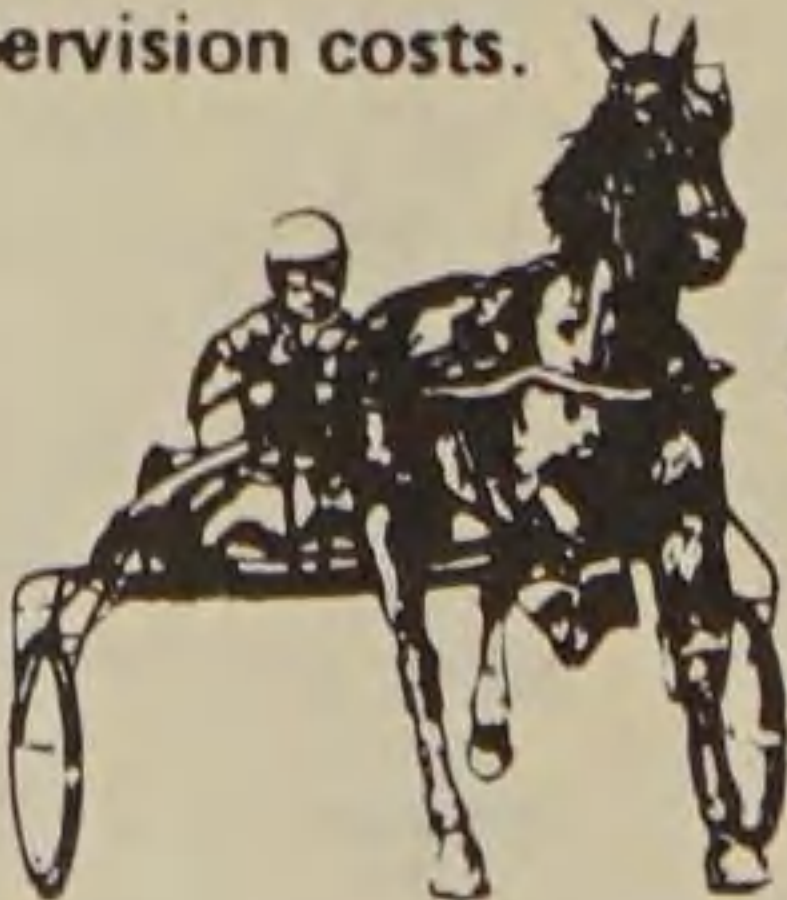
HORSEMEN'S SHARE:
Distributed in the form of purses.

TRACK'S SHARE:
Used for operating costs and capital improvements.

FEDERAL GOVERNMENT SHARE:
Used to defray supervision costs.

PROVINCIAL GOVERNMENT SHARE:
3.5% General Revenue
3.5% horse racing improvement fund, as follows:
1.0% B.C. Bred Purse Suppl.
.9% Purse & Stake Suppl.
.6% Sire Stakes
.5% Broodmare program
.4% Filly & Mare program
.1% Reserve Fund

*Note: These supplements are NOT included in the advertised purse in the program.



HOW TO READ THE RACING INFORMATION

1		2		3		4																							
BARON NUFF		B. g.		1976,		Goodnuff — Baroness Brenna — Baron Hanover																							
		5		Hudon Stables, Surrey, B. C.		1983																							
Joe Hudon, A, 165, blue, orange		11		10		Tr. J. Hudon		Time 1:59 ³ M,5,		Earn. to 1983 \$87,300		1982 2:02 ³ H		4		2		1		0		1		\$		600			
				6						7																		9	

1. BARON NUFF. This is the name of the horse.

2. B. g. This indicates the color and sex of the horse. Here the "B" is an abbreviation for Bay and the "g" means he is a gelding.

3. 1976. This is the year the horse was foaled. He is now a seven year old.

4. Goodnuff — Baroness Brenna — Baron Hanover. In order these are the names of the horse's father (sire), mother (dam), and the sire of the dam.

5. Hudon Stables, Surrey, B. C. This is the owner and his address.

6. Time 1:59.4F,4. This is the best winning time ever for Baron Nuff. His mark of 1:59.4 was taken on a five-eighths track as a four-year old.

7. Earnings to 1983 \$87,300. This is a record of the total amount he has won in purses to December 31, 1982.

8. 1983 1 0 0 1 \$600. This is his performance recap from this year (to Jan.20). He started once and finished third for total earnings of \$600.

9. 1982 2:02.3H 4 2 1 0 \$6,150. This is his performance recap from last year. His best winning time was 2:02.3 and he started 4 times, had 2 wins and 1 second for earnings of \$6,150.

10. Tr. J. Hudon. J. Hudon trains the horse.

11. JOE HUDON, A, 165, BLUE, ORANGE. This the name of the driver, his license classification, weight and the color of his silks.

Mr21	C1	v6	ft	Inv	PAST PERFORMANCE LINE																													
Date of Race					Track					Race Number					Track Condition					Condition														
6000					Purse					Distance					Leader's time at ¼					Leader's time at ½					Leader's time at ¾					Winner's time				
29					m:29					1:31					3:2:00					4					3					Post Position				
1					Pos. & lengths at ¼					1 1 ½					1 1 ½					1 1					1 2					Pos. & lengths at Stretch				
1					Pos. & lengths at ½					1 1 ½					1 1					1 2					Pos. & lengths at Finish									
2:00					Horse's actual time					2:00					4					*.45					J. Hudon					Driver				
BaronNuff					Winner					SengaRoLy					Jodana					Third Horse					Temperature No. of starters									
15					Temperature No. of starters					15					4																			

Track ratings are determined from individual times made by horses at one track compared with times made by the same horses at other tracks during comparable seasons of the year, over tracks rated "fast", without breaks or parkouts and at the standard mile distance.

AC (5/8)	Atlantic City, N.J.	2:03.2	Gos (1/2)	Goshen, N.Y.	2:05	Old (1/2)	Ocean Downs, Md.	2:04.3
AP (1)	Arlington Park	2:04.1	GMP (1)	Green Mountain Park	2:04.3	Orn (1/2)	Orangeville Raceway, Ont.	2:06.2
Aur (1/2)	Aurora Downs, Ill.	2:07	GrR (5/8)	Greenwood Raceway, Ont.	2:04.2	OwnS (1/2)	Owen Sound, Ont.	2:06.4
Bal (1/2)	Balmoral Park, Ill.	2:03.1	Har (1/2)	Harrington Raceway, Del.	2:05.2	PcD (5/8)	Pocono Downs, Penn.	2:03.1
Bar (1/2)	Barrie Raceway, Ont.	2:05.3	Haw (1)	Hawthorne Park, Ill.	2:03.4	PPk (5/8)	Pompano Park, Fla.	2:03.2
Bat (1/2)	Batavia Downs, N.Y.	2:05.1	Haz (5/8)	Hazel Park, Mich.	2:04	PVR (5/8)	Pre Vert Raceway, Que.	2:06
BB (5/8)	Blue Bonnets, Que.	2:03.1	Hin (1/2)	Hinsdale Raceway, N.H.	2:06.1	QcD (5/8)	Quad City Downs, Ill.	2:04
BgR (1/2)	Bangor Raceway, Main.	2:07.1	Hnvr (1/2)	Hanover Raceway, Ont.	2:05.5	Que (1/2)	Quebec City, Que.	2:04
BIm (1/2)	Bloomsburg, Pa.	2:06.1	HP (1)	Hollywood Park, Calif.	2:01.4	RC (5/8)	Rideau Carleton, Ont.	2:04
Blv (1/2)	Belleville, Que.	2:06.4	Ind (1)	Indianapolis, Ind.	2:01.4	Reg (1/2)	Exhibition Track, Sask.	2:05.3
BM (1)	Bay Meadows, Calif.	2:04	Jac (1/2)	Jackson Raceway, Mich.	2:05	Ric (1/2)	Richelieu Park, Que.	2:04
BR (1/2)	Buffalo Raceway, N.Y.	2:05.1	KD (5/8)	Kawartha Downs, Ont.	2:04.3	Rjc (1/2)	Rockingham Park, N.H.	2:04.4
Brd (5/8)	Brandywine Raceway, Del.	2:02.3	LA (5/8)	Los Alamitos, Calif.	2:03.4	RoR (1/2)	Rosecroft Raceway, Md.	2:03.3
Cen (1/2)	Centennial Park, Colo.	2:05.2	Lat (1/2)	Latonia, Kentucky	2:03	RP (5/8)	Raceway Park, Ohio	2:03.3
Cls (1/2)	Carlisle, Pa.	2:05	Lau (5/8)	Laurel Raceway, Maryland	2:03.1	RR (1/2)	Roosevelt Raceway, N.Y.	2:03.2
Cka (3/4)	Cahokia Downs, Ill.	2:04.1	LB (5/8)	Liberty Bell, Penn.	2:02.3	Sac (1)	Cal Expo, Sacramento, Calif.	2:03.2
Cltn (1/2)	Clinton Raceway, Ont.	2:06	Lea (1/2)	Leamington Raceway, Ont.	2:05.1	Sca (1/2)	Scarborough Downs, Me.	2:05.3
Col (1/2)	Columbus, Ohio	2:05.1	Leb (1/2)	Lebanon Raceway, Ohio	2:06.2	San (5/8)	Sandown Raceway, B.C.	NR
Civ (1/2)	Cloverdale Raceway, B.C.	2:06.2	Lew (1/2)	Lewiston Raceway, Me.	2:05.2	ScD (5/8)	Scioto Downs, Ohio	2:02.2
Cum (1/2)	Cumberland Raceway	2:06.1	Lex (1)	Lexington Trts, Kentucky	2:01.2	Sem (1)	Seminole Downs, Fla.	2:03.2
Conn (1/2)	Connaught Park, Que.	2:05.3	Lon (1/2)	Western Fair Raceway, Ont.	2:05.1	Sok (5/8)	Sportsman's Park, Ill.	2:02.4
DD (5/8)	Dover Downs, Del.	2:04.2	LouD (1/2)	Louisville Downs, Kentucky	2:05.2	Spr (1)	Springfield, Ill.	2:01
Del (1/2)	Delaware, Ohio	2:04.3	May (1/2)	Maywood Park, Ill.	2:04	Stga (1/2)	Saratoga Raceway, N.Y.	2:03.2
Dres (1/2)	Dredgen Raceway, Ont.	2:05.3	Mea (5/8)	The Meadows, Penn.	2:03	StP (5/8)	Stampede Park, Alta.	2:04.2
DuQ (1)	Du Quoin, Ill.	2:01.1	Mid (1/2)	Midwest Raceway, Kty.	2:05.3	Sud (1/2)	Sudbury Downs, Ont.	2:05.3
Elm (1/2)	Elmira Raceway, Ont.	2:05.4	Mlds (1)	Meadowlands, N.J.	2:01.2	TrR (1/2)	Hippodrome Trois-Riv., Que.	2:05
FD (5/8)	Frontenac Downs, Ont.	2:04.2	Moh (5/8)	Mohawk Raceway, Ont.	2:04	VD (3/4)	Vernon Downs, N.Y.	2:01.4
Fhd (1)	Freehold Raceway, N.J.	2:04	MqD (5/8)	Marquis Downs, Sask.	2:04.2	Was (1)	Washington Park, Wash.	2:03.1
FImD (1/2)	Fiamboro Downs, Ont.	2:04.4	MR (1/2)	Monticello Raceway, N.Y.	2:03.1	Wdsk (1/2)	Woodstock Raceway, Ont.	2:06.1
FP (1)	Fairmount Park, Ill.	2:03.3	NEn (5/8)	New England, Mass.	2:03	Wol (1)	Wolverine Raceway	2:01.2
GCV (5/8)	Garden City, Ont.	2:03.3	Nfld (1/2)	Northfield Park, Ohio	2:04.3	WR (5/8)	Windsor Raceway, Ont.	2:04
GG (1)	Golden Gate Fields, Calif.	2:03.1	Nor (1/2)	Northville Downs, Mich.	2:05	YR (1/2)	Yonkers Raceway, N.Y.	2:03.3
Gor (1/2)	Gorham Raceway	2:06.1	NP (5/8)	Northlands Park, Alta.	2:04.2			

3rd race

BLACK
SADDLE CLOTH

1 MILE PACE

VIP Tavern Feature

SUPER 6

PURSE \$2300 — Claiming Handicap — Claiming
Prices \$3500 to \$4000 plus allowances.

EXACTOR

HANDICAP SELECTIONS: 5 — 1 — 6

ASK FOR HORSE BY THIS NUMBER

Date	Tk.	Cond.	Class	Purse	Dis.	Leaders	Times	Post	1/4	1/2	3/4	Str.	Fin.	Time	Odds	Driver	1st/2nd/3rd	Temp./Starters
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DECK HAND

B. g. 1972, Shadow Wave — Rhonda Byrd — Poplar Byrd																					
S. Petrachuk, Surrey, B. C.																					
Tr. S. Petrachuk																					
Steve Petrachuk, A, 160, blue, white	2000	m	:32 ³	1:05 ³	1:38 ¹	2:10 ¹	7	8 ¹⁰	7 ⁶	7 ⁵	1 ⁴	6 ⁵	2:01M,4, Earn. to 1983 \$81,417	1983	6	0	1	1	\$	950	
Fb10 ³ Clv ⁶ sy 3500													2:11 ¹ 34.00 S.P'chuk	Moore, Dick Marg. Misty PilotFrost						8 ⁸	
Fb2 ³ Clv ⁷ ft 3500													4 ⁵ 4 ³ 1 ⁴ 15.65 S.P'chuk	NorLeaSue JimTheBear Rad.General						6 ⁷	
Ja26 ³ Clv ² gd 3500hp													7 ⁷ 7 ⁵ 2:09 ³ 11.35 S.P'chuk	Beth. Blazet Rad.General PilotFros.						9 ⁸	
Ja19 ³ Clv ⁵ gd 3500													3 ² 2:11 6.50 S.P'chuk	BraveBullet GypsyBlue DeckHand						9 ⁸	
Ja13 ³ Clv ⁶ ft 3000													2 ⁴ 2 ³ 1 ⁴ 13.25 S.P'chuk	GypsyBlue DeckHand Wint.PrinceA						6 ⁸	
Ja7 ³ Clv ² sy 3500hp													3 ³ 5 ⁷ 2:10 ¹ 19.65 S.P'chuk	DustyBreeze PanawaBay Sen.Lytton						13 ⁸	

GYPSY BLUE

GYPSY BLUE

Ch. g. 1970, Thor Hanover — Koala Red — Flight Commander															
J. Palmer, Vancouver, B. C.															
Tr. D. Linford															
Glen White, C, 150, red, white															
Fb5 ³ Clv ⁴ ft c3000	1800	m	:32 ³	1:04 ²	1:36 ¹	2:07 ²	4	4 ⁴	0 ³	2 ¹	1 ⁴	4 ⁴	5 ⁶	2:08 ³	3.10 K.Quinlan
Ja29 ³ Clv ⁷ ft 3000	1800	m	:30 ²	1:02 ³	1:34 ³	2:06 ²	4	6 ⁵	5 ⁴	0 ²	1 ¹	1 ⁴	1 ⁴	2:06 ²	2.20 K.Quinlan
Ja24 ³ Clv ⁹ gd 3500hp	2000	m	:31 ²	1:04	1:36 ¹	2:09	7	8 ¹	8 ⁶	1 ²	0 ⁸	6 ³	3 ²	2:09 ¹	9.25 P.Megens
Ja19 ³ Clv ⁵ gd 3500	2000	m	:32 ¹	1:06 ³	1:39 ¹	2:10 ⁴	2	5 ⁶	4 ³	1 ²	0 ⁴	3 ²	2 ¹	2:10 ⁴	2.40 P.Megens
Ja13 ³ Clv ⁶ ft 3000	1800	m	:31 ¹	1:02 ¹	1:34 ⁴	2:05 ⁴	3	5 ⁴	5 ⁴	1 ²	0 ²	1 ⁴	1 ³	2:05 ⁴	3.55 K.Quinlan
Ja6 ³ Clv ² sy 3000	1700	m	:30 ³	1:01 ⁴	1:33 ⁴	2:07	2	3 ²	0 ³	1 ¹	0 ¹	1 ¹	2 ⁵	2:07 ¹	*2.60 K.Quinlan

SHADOWS DAUNTLESS

SHADOWS DAUNTLESS															Br. g. 1978, Invincible Shadow — Lucinda Goose — Brown Prince														
Dave Smith, A, 180, red, white															A.Gatey, M.Lebaron, W.Terry, Prince George, B.C.Alta.														
															Tr. N. Clarkson *														
Fb9 ³ Clv ⁶ sy 4500	2400	m	:33	1:05 ³	1:37 ¹	2:09	7	6 ⁷ ₂	1 ⁵	5 ⁵	5 ⁵	x7 ⁸ ₁	7 ¹⁷	2:12 ²	16.80	D.Smith	1983	2:08 ¹ H	6	1	2	1	\$	1,889					
Fb3 ³ Clv ⁶ ft 4000	2200	m	:30 ³	1:03 ⁴	1:36 ¹	2:08 ⁴	6	8 ¹⁸ ₂	10 ⁵ ₂	3 ¹ ₂	3 ¹ ₂	3 ² ₁ ⁴	3 ¹	2:08 ⁴	16.35	D.Smith	1982	2:03F	53	3	8	7	\$	9,935					
Ja28 ³ Clv ⁹ ft 4500hp	2600	m	:30 ⁴	1:02 ¹	1:34	2:07 ¹	5	6 ⁸ ₁	6 ⁷	05 ³	6 ⁴ ₁	6 ⁴ ₁	6 ⁴ ₁	2:07 ⁴	15.60	D.Smith	RomanJoe T'tahiRidge Ch.Dominion							10 ⁸					
Ja24 ³ Clv ⁹ gd c3000hp	2000	m	:31 ²	1:04	1:36 ¹	2:09	3	02 ¹ ₁	02 ¹	02 ⁴	2 ^h ₃	2 ¹	2 ¹	2:09	12.65	C.Sibiga	Yarver RomanJoe ShadowsDauntless							4 ⁸					
Ja20 ³ Clv ³ ft c2500	1500	m	:32	1:04 ⁴	1:36 ³	2:08 ¹	4	1 ¹ ₁	1 ¹ ₂	1 ¹ ₂	1 ²	1 ¹ ₂	1 ¹ ₂	2:08 ¹	*1.55	D.Smith	Mich.Hall Chel.Domin. Blk.StormA							8 ⁷					
Ja14 ³ Clv ¹ ft 2500	1500	m	:30 ³	1:02 ¹	1:35 ²	2:08 ¹	6	5 ⁶ ₁	05 ⁸ ₂	03 ¹ ₁	2 ² ₁	2 ² ₁	2 ²	2:08 ³	9.25	D.Smith	BethanyOdd Shad.D'less GypsyBlue							10 ⁸					
																	Shad.D'less SurdaleAlex Ch.Poncho							9 ⁸					
																	Damuraz Shad Dauntless KingKoil							4 ⁸					

FERR CHER

FERR CHER																								
Bruce White, B, 170, red, white												Br. m. 1976, Ferric Hanover — Lassie Tar — Cole Tar												
1800 m:32 ³ 1:04 ² 1:36 ¹ 2:07 ² 7												D. Weinert, B. White, Vancouver, Surrey, B. C.												
Fb5 ³ Clv ⁴ ft 3000												Tr. B. White												
1800 m:30 ³ 1:021:34 ² 2:07 ¹ 5												Time 2:05H,4, Earn. to 1983 \$19,376												
Fb3 ³ Clv ¹⁰ ft 3000												0 ⁶ 4 ¹ ² 5 ⁴ ¹ ² 4 ⁵ 2:08 ¹ 18.35 B.White												
Ja29 ³ Clv ⁷ ft 3000												0 ² 1 ² 0 ⁷ 4 ¹ ² 2 ¹ ¹ 2 ¹ 2:07 ¹ 14.05 G.White												
Ja21 ³ Clv ⁴ ft 2500												7 ⁴ 1 ² 0 ⁴ 3 ⁷ 6 ⁷ 2:07 ⁴ 6.25 B.White												
Ja10 ³ Clv ¹ gd c2500												0 ¹ ² 1 ² 3 ¹ ¹ ² 1 ³ 2:07 ⁴ *1.45 B.White												
Ja3 ³ Clv ⁹ sy 3000												5 ⁶ 0 ⁴ 3 ¹ ² 4 ³ 2 ¹ 2:09 ² 3.25 S.P'chuk												
												1700 m:31 ⁴ 1:04 ³ 1:37 ¹ 2:09 ⁴ 2												
												3 ² 1 ² 4 ³ ¹ 6 ⁴ 2:10 ² 14.40 S.P'chuk												
												7 ⁸ 6 ⁶ 0 ⁶ 4 ¹ ² 5 ⁴ ¹ ² 4 ⁵ 2:06 ¹ H4719832:07 ⁴ H6120\$1,855												
												Moore.Dick CooksChas. JimTheBear7 ⁷												
												AndysDean FerrCher PanawaBay4 ⁸												
												GypsyBlue MrKeith AndysDean10 ⁸												
												FerrCher Assin.Brave HustlingHall5 ⁸												
												GunsmokeN FerrCher ReyOGrattan12 ⁸												
												MicroH'over BudsChamp Fr.Memory10 ⁸												

CEFFYL DU

Mike Evans, A, 170, white, brown, orange		Tr. J. Richards		Time 2:01M, 10, Earn. to 1983 \$35,802		1983 2:07 ² H 4 1 0 3 \$ 1,572	
Fb5 ³ Clv ³ ft c3000	1800 m:31 ¹ 1:03 ² 1:36 ² 2:09 ¹ 7	04 ³ ₁ ²	4 ³ ₁ ²	03 ²	3 ²	2:09 ³	3.30 P. Coleman
Ja27 ³ Clv ⁶ gd c3000	1800 m:31 ² 1:02 ⁴ 1:34 ² 2:07 ¹ 3	05 ³	6 ⁸ ₁ ²	05 ³	5 ³ ₁ ²	2:07 ⁴	*.95 M. Evans
Ja10 ³ Clv ⁶ gd 3000	1800 m:31 ⁴ 1:04 ² 1:35 ² 2:07 ² 8	02 ¹	3 ² ₁ ²	1 ²	1 ³	2:07 ²	*1.05 M. Evans
Ja6 ³ Clv ⁶ sy 4000	2000 m:31 ³ 1:04 ¹ 1:36 ¹ 2:08 5	05 ⁴ ₁ ²	6 ⁶ ₁ ²	06 ³	6 ⁴ ₁ ²	2:08 ¹	2.45 M. Evans
Dc31 ² Clv ⁶ ft 4000hp	2000 m:30 ³ 1:02 ⁴ 1:35 ¹ 2:07 ⁴ 7	06 ⁴ ₁ ²	04 ² ₁ ²	03 ²	3 ¹ ₁ ²	2:07 ⁴	17.45 M. Evans
Dc22 ² Clv ¹ qd 4000	2000 m:31 ² 1:03 1:34 ² 2:06 ² 8	03 ²	3 ² ₁ ²	03 ²	3 ² ₁ ²	2:06 ²	3.45 M. Evans

HUGGY

Todd Beelby, C, 150, lt. blue, dk. blue		Tr. C. Beelby		Time 2:03 ³ F, 5, Earn. to 1983 \$20,756		1983 2:06 ⁴ F 39 2 11 6 \$13,686	
Ja31 ³ Clv ⁷ ft 4000hp	2400 m:30 ² 1:02 ² 1:34 ² 2:06 ¹ 8	03 ² ₁ ²	02 ¹ ₁ ²	02 ¹ ₁ ²	3 ³	2:06 ⁴	9.50 B. Beelby
Ja24 ³ Clv ⁶ gd 4000	2200 m:32 1:03 1:35 ⁴ 2:08 ¹ 3	01 ^k	02 ¹	02 ^{hd}	3 ²	2:08 ⁴	4.65 C. Beelby
Ja21 ³ Clv ⁶ ft 4000cd	2500 m:31 1:03 ³ 1:36 2:08 5	2 ¹	2 ¹	4 ³	5 ⁶	2:09 ³	8.75 C. Beelby
Ja14 ³ StP ² ft 4000	1700 m:30 ¹ 1:03 ³ 1:33 ³ 2:05 ⁴ 2	1 ¹	1 ¹ ₁ ²	2 ¹	2 ¹ ₁ ²	2:06 ⁴	7.15 R. Hennessy
Ja2 ³ StP ³ ft 5500	2200 m:29 ¹ 1:01 ² 1:32 ⁴ 2:05 ³ 7	2 ¹	2 ¹	3 ³	6 ⁷ ₁ ²	2:09 ¹	22.95 G. McQuaid
Dc12 ² StP ³ ft 5500	2400 m:29 ² 1:00 ² 1:32 2:05 5	1 ¹	1 ¹	1 ¹ ₂	3 ¹ ₁ ²	2:06 ¹	9.15 EdTracey

KINGSLEY HANOVER

Paul Megens, A, 160, red, white		Tr. P. Megens		Time 2:00 ⁴ M, 10, Earn. to 1983 \$49,052		1983 2:07 ³ H 5 1 0 0 \$ 1,516	
Fb3 ³ Clv ⁶ ft 4000	2200 m:30 ³ 1:03 ⁴ 1:36 ¹ 2:08 ⁴ 2	x4 ⁴	03 ²	02 ¹	2 ²	2:09 ²	*1.95 P. Megens
Ja26 ³ Clv ² gd 4000hp	2200 m:31 ¹ 1:03 ³ 1:36 ³ 2:08 ³ 6	03 ²	03 ¹ ₁ ²	04 ²	5 ⁶	2:09 ²	3.25 P. Megens
Ja21 ³ Clv ⁹ ft 5000cd	2800 m:32 ² 1:05 1:36 ³ 2:07 ⁴ 5	6 ⁶ ₁ ²	05 ⁴	6 ⁵	7 ¹ ₁ ²	2:10 ¹	3.90 P. Megens
Ja14 ³ Clv ⁶ ft 5000hp	2800 m:31 ³ 1:02 ¹ 1:34 ² 2:05 ² 3	01 ¹	2 ¹	4 ¹ ₁ ²	5 ⁵ ₁ ²	2:06 ²	*2.10 P. Megens
Ja7 ³ Clv ⁷ sy 5000	2400 m:31 ³ 1:04 ² 1:35 ⁴ 2:07 ³ 1	2 ¹ ₁ ²	2 ² ₁ ²	3 ¹ ₁ ²	2 ¹ ₁ ²	2:07 ³	2.95 P. Megens
Dc31 ² Clv ⁶ ft 4000hp	2000 m:30 ³ 1:02 ⁴ 1:35 ¹ 2:07 ⁴ 6	05 ³ ₁ ²	02 ¹	02 ¹	1 ^k	2:07 ⁴	6.25 P. Megens

HOLRIDGE HERO

Wendell Waples, A, 150, gold, blue		Tr. W. Waples		Time 2:02 ² F, 4, Earn. to 1983 \$15,922		1983 2:07H 6 2 0 0 \$ 1,990	
Ja29 ³ Clv ⁷ ft 3000	1800 m:30 ² 1:02 ³ 1:34 ³ 2:06 ² 8	3 ² ₁ ²	3 ² ₁ ²	3 ² ₁ ²	5 ⁵ ₁ ²	2:07 ³	8.30 W. Waples
Ja24 ³ Clv ⁹ gd 3000hp	2000 m:31 ² 1:04 1:36 ¹ 2:09 5	7 ⁹	6 ⁴	6 ³	7 ⁴ ₁ ²	2:09 ³	6.00 W. Waples
Ja19 ³ Clv ⁵ gd 3500	2000 m:32 ¹ 1:06 ³ 1:39 ¹ 2:10 ⁴ 4	1 ^k	1 ¹ ₁ ²	1 ^k	1 ¹	2:11	3.35 W. Waples
Ja13 ³ Clv ⁶ ft c3000	1800 m:31 ¹ 1:02 ¹ 1:34 ⁴ 2:05 ⁴ 6	02 ^{hd}	02 ¹	03 ¹ ₁ ²	5 ⁷	2:07 ²	2.95 S. Ericsson
Ja6 ³ Clv ² sy 3000	1700 m:30 ³ 1:01 ⁴ 1:33 ⁴ 2:07 7	04 ² ₁ ²	01 ^{hd}	2 ^{hd}	2 ¹	2:07	15.65 S. Ericsson
Ja1 ³ Clv ⁴ gd 3000	1700 m:32 ¹ 1:06 1:39 ² 2:12 ¹ 2	2 ¹	02 ¹	2 ^k	1 ²	2:12 ¹	*2.15 S. Ericsson

*Denotes Assistant Trainer

\$3500

5

3-1

\$4000

6

9-2

\$4000

7

6-1

\$3500

8

8-1

In the third race, horse number 3, Shadows Dauntless, was a Dr. Z system bet. Near post time the tote board was as follows:

	Totals	#3 Shadows Dauntless	Expected Value per Dollar Bet on Shadows Dauntless
Odds		4—1	
Win	6,257	1,065	
Show	2,147	202	1.24

The mutuel pools at Cloverdale are quite small, so I used a betting fortune of \$200. The optimal bet was then \$8. It proved very easy to bet just before post time. The favorite, Ceffyl Du, won the race, Shadows Dauntless took second, and Gypsy Blue was third. Shadows Dauntless's \$4.20 show payoff returned \$16.80 on my \$8 bet, for an \$8.80 profit. The mutuel payoffs were as follows:

5	6.60	4.10	2.70
	3	5.50	4.20
		2	3.20

Pardner Jove, the number 6 horse, was a Dr. Z system bet in the eighth race. Pardner Jove was the favorite at 6—5 for his sixth race in succession.

With one minute to post time the tote board was as follows:

	Total	#6 Pardner Jove	Expected Value per Dollar Bet on Pardner Jove
Odds		6—5	
Win	9,093	3,264	
Show	2,476	560	1.16

I bet \$33. At post time the odds were

	Total	#6 Pardner Jove	Expected Value per Dollar Bet on Pardner Jove
Odds		6—5	
Win	9,410	3,387	
Show	2,609	621	1.13

\$7000	5	10-1	FLASH FIRE									
			Wendell Waples, A, 150, gold, blue									
			B. m. 1976, Dexter Hanover — Stonegate Taretta — Tarport Count									
			J. and L. Kositsky and J. Plottel, Vancouver, B. C.									
			Tr. J. Kositsky.									
			Time 2:03F, 4, Earn. to 1983 \$44,661									
			3200 m:30 ² 1:02 ² 1:33 ² 2:05 ¹ 5 2 ¹ 2 ² 3 ⁶ 8 ¹¹ 2:07 ¹ 17.25 D.J'quist									
			3200 m:30 ¹ 1:02 ¹ 1:34 2:06 ² 1 2 ¹ 2 ² 3 ¹ 3 ¹ 5 ² 4 2:06 ⁴ 6.80 D.J'quist									
			3200 m:31 ³ 1:04 1:35 ² 2:05 ⁴ 5 5 ⁶ 5 ⁵ 5 ⁷ 5 ¹ 2:07 ³ *1.75 D.J'quist									
			3200 m:30 1:03 ² 1:35 ² 2:05 ³ 4 1 ¹ 1 ¹ 1 ¹ 2 ⁴ 6 ⁷ 2:07 3.15 D.J'quist									

\$7000	6	3-1	PARDNER JOVE									
			Joe Hudon, A, 165, blue, orange									
			B. g. 1974, Tar Duke — Lady Jane Grey — Lon Tass									
			Hudon Stables, Surrey, B.C.									
			Tr. J. Hudon									
			Time 2:02 ³ F, 8, Earn. to 1983 \$61,734									
			3700 m:29 ³ 1:00 ⁴ 1:32 ² 2:04 ³ 2 4 ⁵ 4 ¹ 6 ⁷ 5 ⁵ 2:05 ² *2.40 J.Hudon									
			3200 m:30 ¹ 1:01 ³ 1:34 ² 2:06 2 4 ³ 3 ² 1 ¹ 1 ¹ 2:06 *1.30 J.Hudon									
			3200 m:30 1:03 ² 1:35 ² 2:05 ³ 3 6 ⁴ 0 ² 0 ² 4 ⁷ 2:07 *1.45 J.Hudon									
			3000 m:30 ¹ 1:01 ³ 1:33 ² 2:05 ³ 8 4 ³ 0 ⁴ 2 ² 2 ² 2:06 *1.95 J.Hudon									

\$7000	7	8-1	MAC LOBELLA A									
			Mike Stymest, A, 150, orange, green, white									
			B. g. 1977, Smart Lobell — Narooma Gift — Free Fight									
			A. Peterson, R. Acheson and J. Glen, Surrey, B. C.									
			Tr. J. Glen									
			Time 2:00 ⁴ F, 4, Earn. to 1983 \$24,743									
			3200 m:30 ² 1:02 ² 1:33 ² 2:05 ¹ 8 5 ⁵ 5 ³ 2 ² 2 ³ 2:05 ³ 9.25 J.Glen									
			3000 m:30 ⁴ 1:03 ¹ 1:34 ² 2:05 ⁴ 3 8 ⁸ 0 ⁶ 3 ³ 5 ⁶ 2:07 5.50 J.Glen									
			4000 m:31 ⁴ 1:04 1:35 ⁴ 2:06 ³ 1 3 ² 5 ³ 7 ⁵ 8 ⁸ 2:08 ¹ 7.80 J.Glen									
			Nil m:30 ³ 1:01 ⁴ 1:34 ² 2:05 ⁴ 5 4 ⁷ 4 ¹³ 3 ³ 3 ² 2:06 ² NB J.Glen									

\$7000	8	9-2	BWANA BYRD									
			Bill Babineau, A, 160, r.bl, lt.bl, white									
			B. g. 1976, Baron Duane — Birdie Bright Eyes — Tar Duke									
			B. Babineau, Surrey, B. C.									
			Tr. B. Babineau									
			Time 2:02F, 5, Earn. to 1983 \$26,427									
			2600 m:30 ² 1:02 ² 1:35 2:07 ³ 6 fog 8 ⁸ fog 3 ² 1 ¹ 2:07 ³ 4.60 B.Babineau									
			3200 m:30 ¹ 1:02 ² 1:35 ² 2:06 ⁴ 7 8 ¹ 8 ⁶ 7 ⁶ 7 ⁵ 2:07 ³ 21.35 B.Babineau									
			3400 m:30 ¹ 1:01 ³ 1:33 ² 2:04 ³ 4 5 ⁴ 0 ⁵ 4 ⁶ 3 ⁷ 2:06 5.10 B.Babineau									
			3000 m:29 ⁴ 1:02 ³ 1:34 ² 2:06 ³ 2ix 0 ⁴ 0 ³ 8 ¹² 8 ¹ 2:09 ³ *2.15 B.Babineau									

\$7000	9	(P.P.)	ALSO ELIGIBLE: THIS HORSE WILL ONLY START IN THE EVENT OF A SCRATCH									
			DAUBERS COMMAND									
			Dave Smith, A, 180, red, white									
			Br. h. 1978, Hank The Dauber — Gladys Command — Take Command									
			W. and T. Smith, Surrey, B. C.									
			Tr. N. Clarkson									
			Time 2:03 ⁴ F, 4, Earn. to 1983 \$19,226									
			3000 m:31 ⁴ 1:03 ³ 1:35 ⁴ 2:06 ⁴ 2 1 ¹ 1 ¹ 4 ² 7 ¹⁰ 7 ¹⁵ 2:09 ⁴ 5.55 D.Smith									
			3400 m:30 ³ 1:02 1:33 ⁴ 2:05 ¹ 1 2 ¹ 2 ¹ 3 ¹ 3 ² 5 ³ 2:05 ³ 6.00 D.Smith									
			3000 m:31 ³ 1:03 ⁴ 1:36 ¹ 2:08 ¹ 2 1 ¹ 1 ¹ 1 ¹ 1 ¹ 3 ¹ 2:08 ² 10.10 D.Smith									

*Denotes Assistant Trainer

Chatter won the race. Pardner Jove took second, followed by Here By Chance. Pardner Jove paid \$2.80, so my \$33 bet returned \$46.20, for a \$13.20 profit. The mutuel payoffs were as follows:

4	14.00	5.20	3.20
	6	3.30	2.80
		1	3.30

Using the Dr. Z System in England

The parimutuel system of betting utilizing electric totalizator boards is the dominant method of betting at North American racetracks. Las Vegas and the other legal sports books may set odds on particular betting situations, but these fixed odds are not available at racetracks. In England, and in other Commonwealth countries, such as Australia and Hong Kong, and in other European countries, such as Italy and France, odds betting against bookies is the prevalent wagering scheme. The bookies set odds that you can *lock in* by buying a ticket. These odds do change over time, largely so that the bookies can balance their books to ensure themselves of a profit no matter which horse wins. You therefore have the chance to bet on different horses at different times, so you can hedge your bets. If you play it right, you either never or rarely lose, while making a sizable return all or most of the time.*

Table 17.2 lists the rates of return in British flat racing for thoroughbreds for different odds levels set by the bookmakers. As you can see, to get action on the favorites, they have to set the odds at levels that allow you to make a profit betting on these horses. Notice also, that they have the usual favorite–long-shot bias. They make their profits on the medium- and longer-priced horses, in particular on the long shots over 18—1, where they return an average of only about 20%–40% of the amount bet. The total average take by the bookies, including government taxes of 4% on course and 8.5% off course, is 10% on course and 19% off course. You have the option of paying the tax when you bet or when you win. For example, with a bet of £100 on course, you can pay the £4 in advance, or pay 4% of your winnings. Suppose the payoff is £3 per pound bet. The tax is then £4 if paid in advance, but £12 if you win and have not prepaid the tax. In the long run, if you

*Lest you think we’ve just invented a method for shaking the money out of the trees, let me tell you that this is pretty tricky. But see Lane and Ziemba (October 1983) for some preliminary research on this problem in the context of Mexican team Jai Alai, whose odds are set in a similar fashion.

TABLE 17.2 *Rates of return for different odds ranges in British flat racing before taxes*

Odds Ranges	Rate of Return				
	1950	1965	1973	1975	1976
1—100 to 2—5	97.2	108.1	108.5	112.1	107.0
4—9 to 2—5	98.8	89.4	109.7	108.4	107.8
8—11 to 1—1	94.8	88.4	93.6		
21—20 to 3—2	96.5	87.2	88.6		
13—8 to 9—4	90.4	95.9	83.6		
95—40 to 4—1	95.5	95.0	95.5		
9—2 to 9—1	90.1	89.5	89.1		
19—2 to 18—1	64.5	64.9	66.5		
larger than 18—1	23.8	37.3	23.2		

Sources: Figgis (1974) and Lord Rothschild (1978).
Note: Taxes on course of 4% and off course of 8.5% must be subtracted to determine the actual net rate of return. These rates of return are based on the assumption that every horse in each odds range was bet to return 100.

are more or less breaking even on your bets, the tax collected is about the same by either method. However, if you are winning on average, it is better to prepay the tax and if you are losing on average, it is better to pay the tax only when you win.

A parimutuel betting system using the tote board, although less popular in England, is available for betting on course as well as off course. As in North America, the odds are flashed periodically, but the betting pools are not shown. The odds are quoted on the payoff per £1 bet with a minimum payoff of £1. Forget about betting on superhorses—all you will get is your money back. Also the odds are quoted in terms of total return, so if the odds are shown as 3.1—1, you get £3.1 per pound bet if the horse wins, not £4.1 as would be the case in North America.

Instead of the North American parimutuel system of win, place, and show, the bets are to win and place. By “place” the British mean “finish in the money.” This is much like what North Americans call show. There is, however, one important difference. The number of horses that can place in a particular race is dependent on the number of starters. This works as follows:

NUMBER OF HORSES THAT PLACE	NUMBER OF STARTERS
One: the winner	four or fewer
Two: winner and second	five, six, or seven
Three: winner, second, and third	eight to fifteen
Four: winner, second, third, and fourth	sixteen or more

The place pools are not shown on the tote board, but the current payoffs for place bets for each horse are flashed on the screen. Bookies, on the other hand, simply pay a percentage of the win odds, as shown in Table 17.3.

TABLE 17.3 *Bookmakers payoff for place bets*

Number of Runners	Type of Race	Fraction of Win Odds Paid on Place Element	Horses Regarded
Two to five		No place betting	
Six or seven	Any	$\frac{1}{4}$	First and second
Eight or more	Any except handicaps involving twelve or more runners	$\frac{1}{5}$	First, second, and third
Twelve to fifteen	Handicaps	$\frac{1}{4}$	First, second, and third
Sixteen to twenty-one	Handicaps	$\frac{1}{5}$	First, second, third, and fourth
Twenty-two or more	Handicaps	$\frac{1}{4}$	First, second, third, and fourth

Source: Lord Rothschild (1978).

There are many types of exotic bets as well, as shown on page 350. The tote jackpot corresponds to what North Americans call the pick six or sweep six. The tote placepot bet has no analogue in North America. The average rates of return on the various bets on and off course against a bookmaker or the tote are listed in Table 17.4. Of particular interest to us is the fact that the track take is 5% larger in the place pool than in the win pool. The tote take is larger than what the bookies make on average, and on-course betting takes are much less than off-course takes.

Your **tote** Betting Guide

MINIMUM STAKE: £1 on Win, Place, Dual Forecast and Daily Double pools; 50p for Jackpot, Placepot and Daily Treble pools, but 10p Jackpot lines accepted for permutations of not less than £5 in value.

HOW TO BET: Win, Place and Dual Forecast tickets on sale at all windows marked 'SELL' or 'BET HERE' Please use racecard numbers when placing your bet, e.g. "£1 each way number four". At some meetings SELL AND PAY will be handled at the same window. Special windows in each enclosure sell Jackpot, Placepot, Daily Double and Treble tickets.

WIN: In the Win pool, payout is on the first horse subject to the 'weighed-in'.

PLACE: Place dividends are paid on the first, second, third and fourth in handicaps of 16 or more runners coming under starter's orders; on the 1,2,3 in other races of 8 or more runners coming under orders and on the 1 and 2 in races of five, six or seven runners coming under orders. When a place pool is operating and the number of runners is reduced to four or less before coming under starter's orders, a place dividend will be declared on the winner only.

DUAL FORECAST: Dual Forecasts in which you nominate the first and second to finish in either order are available in every race with three or more runners.

PLEASE RETAIN YOUR TICKETS UNTIL THE 'WEIGHED-IN' HAS BEEN ANNOUNCED

TOTE DAILY DOUBLE: Pick the winners of the third and fifth races on the card. Winning tickets on the first leg must be exchanged for tickets on the second leg of the Double.

TOTE DAILY TREBLE: Pick the winners of the second, fourth and sixth races on the card. Winning tickets must be exchanged after each of the first two legs.

TOTE JACKPOT: Pick the winners of races 1,2,3,4,5 and 6. If there is no all-correct entry, the gross pool is carried forward.

TOTE PLACEPOT: To win the Placepot you must nominate a horse on which a place dividend is declared in Races 1,2,3,4,5 and 6 (see PLACE paragraph above). If there are 4 or less runners you must name the winner.

NON-RUNNERS: If a horse is withdrawn without coming under starter's orders a refund is made to holders of tickets nominating a non-runner in the Win, Place and Forecast pools. In the Jackpot, Placepot, Daily Double and Daily Treble, non-runners are put on the S.P. favourite. If there is more than one favourite, the backer is on the one with the lowest racecard number. Winning tickets in any one leg of the Double or Treble which have not been exchanged for a selection in the next leg will be invested on the favourite.

LATE PAY: Pay windows will remain open until 30 minutes after the last race. Tickets can be cashed on any subsequent day of the same meeting or sent for payment by post to Horserace Totalisator Board (Dept T), Tote House, 74 Upper Richmond Road, London SW15 2SU.

TABLE 17.4 *Rates of return on different types of bets in England on thoroughbred and greyhound racing*

Type of Bet	Rate of Return (%)
On-course bookmaker	90
Off-course bookmaker	81
Single bet to win with off-course bookmaker	85
Double bet to win with off-course bookmaker	78
Treble bet to win with off-course bookmaker	72
ITV Seven bet to win with off-course bookmaker	70–75
Computer straight forecast with off-course bookmaker	65
Greyhound forecast with off-course bookmaker	76
Greyhound forecast double with off-course bookmaker	58
Place element of each-way with off-course bookmaker	80
Ante-post betting with off-course bookmaker	96
Horse race tote win pool (on course)	80
Horse race tote win pool (off course)	77
Horse race tote place pool (on course)	75
Horse race tote place pool (off course)	72
Horse race tote daily double pool (on course)	74
Horse race tote daily double pool (off course)	71
Horse race tote daily treble pool (on course)	70
Horse race tote daily treble pool (off course)	67
Horse race tote daily forecast pool (on course)	70
Horse race tote daily forecast pool (off course)	67
Horse race tote jackpot pool (on course)	70
Horse race tote jackpot pool (off course)	67
Horse race tote placepot pool (on course)	70
Horse race tote placepot pool (off course)	67
Greyhound tote pool betting, average	83.5

Source: Lord Rothschild (1978).

In June 1983, I was in Europe participating in conferences on risk and capital and Oriental rugs and finishing up a project at a research institute. I had a free day in London on Thursday, June 9, and took the special train from Paddington to the Newbury Race Course, where six races were being featured that day. The races in England are on the turf for distances of generally at least a mile, except for some shorter races for two-year-olds. The season in southern England is unique in that races are run for about three days at each race course. The jockeys, trainers, and so forth then move on to a new course. After a month or so they return to the same course. Handicapping is very sophisticated in England. It has to be, with little infor-

mation easily accessible (they have no analogue of the *Daily Racing Form*, although some past performances are available in newspapers) and all that moving from course to course. The first race in the program is shown on page 352. It featured twenty-one horses.* The mutuel payoffs to win and place were

1	7.80	1.80
	25	2.00
	88	2.00
	28	1.00

With more than sixteen starters, four horses placed. Horse number 28, Tower Win, at 3.90—1 to win paid £1 for a fourth in-the-money place finish, namely a return of one’s money. Since I bet on Tower Win, that was one easily learned feature of English betting.

The method of computing the place payoffs in England differs from that used in North America. In both locales, the net pool is the total amount wagered minus the track take. In North America, the cost of the winning in-the-money tickets is first subtracted to form the profit. This profit is then shared equally among the in-the-money horses. Holders of winning tickets receive a payoff consisting of the original stake plus their proportionate share of the horse’s profits. This means that the amount of money wagered on the other horses in the money greatly affects the payoff. In England, the total net pool is divided equally among the horses that finish in the money. This means that the payoff on a particular horse depends upon how much is bet on this horse to place but *not* on how much is bet on the other horses. Since the minimum payoff is £1 per £1 wager, management is able to keep a control on betting for particular favorites. Once this minimum level is reached, it does not pay to wager on a given horse. This occurs whenever the percentage of the place pool that is bet on a given horse becomes as large as Q_p , which is the track take for place, divided by m , which is the number of in-the-money horses. In a race with 8–15 starters, if Q_p is about 0.735, and $m = 3$, the just-get-your-money-back point is reached when the bet on a particular horse to place becomes 24.5% of the total place pool: $0.735/3 = 24.5\%$. Hence in England you will often see

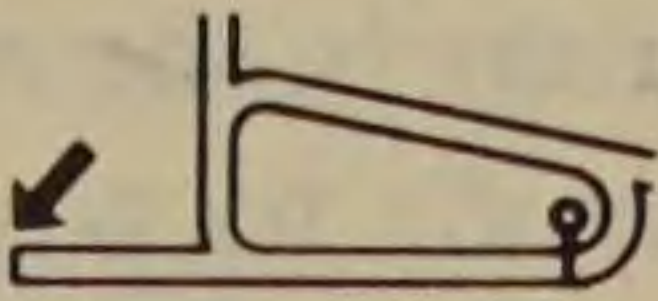
*The second race had twenty-seven starters. These are huge fields compared to the typical six to twelve in North America.

First Race

One Mile, Straight Course, for Three Yrs Old and Upwards

2.00 The Polar Jest Apprentice Stakes (Handicap)

1 MILE, STRAIGHT
COURSE START



£2000 added to stakes
Distributed in accordance with Rule 194 (iii) (b)
for three yrs old and upwards — Rated 0-35

ONE MILE, Straight Course

£4 to enter, £16 extra if declared to run

Lowest weight 7st 7lb
Penalties, after May 18th, a winner 7lb
To be ridden by Apprentices who have not ridden more than 3 winners
Allowances: Riders who have not ridden a winner 3lb
(Apprentice races in all cases included)

THE BILLY HIGGS MEMORIAL WHIP will be presented to the winning rider
This is given in his memory by his son, Mornington I. Higgs

A SS

Weights raised 1lb and Rule 94 (iii) (c) complied with where applicable

98 entries, 65 at £4 and 33 at £20. — Closed 18th May, 1983.

Owners Prize Money. Winner £1556; Second £476; Third £228.
(Penalty Value £2024.00)

Form		Trainer	Age	st	lb	Draw
	1 SOCKS UP		6	9	10	(17)
	Ch g Sharpen Up — Mrs Moss					
24640-2	Mr R.F. Johnson Houghton					
	(R.F. Johnson Houghton, Didcot)					D. Price
	BUFF, BLUE sleeves, MAUVE cap.					
	2 MASSINO		4	9	8	(12)
	B c Blakeney — Never a Fear					
041210-	Mr Peter S. Winfield (P.D. Cundell, Newbury)					J. Kennedy
	ROYAL BLUE and RED (quartered), WHITE sleeves, BLACK cap.					
	5 SMILING LAUREL		4	9	2	(19)
	Ch c Young Emperor — Tom's Delight (USA)					
4030-	Mr P. Terry (Mrs Barbara Waring, Malmesbury)					S. Keightley
	RED and WHITE check, DARK BLUE sleeves, RED and BLUE quartered cap.					
	8 SWIFT PALM		6	8	0	(7)
	B g Some Hand — March Stone					
6-0400	Nimrod Company (P.D. Cundell, Newbury)					
	YELLOW, BLACK seams, BLACK cap with YELLOW star.					
	9 WESTGATE STAR		4	8	8	(16)
	B g He Loves Me — Sea Swallow (FR)					
34360-4	Mr G. Harwood (P. Calver, Ripon)					
	YELLOW and RED (halved horizontally), BLACK 'H', BLACK and RED halved sleeves, quartered cap.					
	10 ON THE SPOT		4	8	6	(11)
	Gr g Town Crier — Creolina					
4650-00	Mrs G.E. Maloney (C.E. Brittain, Newmarket)					S. Gilmour
	Mrs C.E. Brittain					
	BLACK and ORANGE stripes.					
	11 POLO BOY		3	8	5	(14)
	Ch g Red Alert — Bermuda					
6003-60	Mrs A. Herbage (G.B. Balding, Weyhill)					
	GREEN and ORANGE (quartered), ORANGE sleeves, GREEN cap.					
	15 OPTIMISTIC DREAMER		4	8	3	(18)
	B g Full of Hope — La Crima					
0560-42	Mr Jeff Goodman (A. Bailey, Newmarket)					
	MAROON, GREY spots.					
	16 COFFEE HOUSE		8	8	2	(10)
	Br g Silly Season — Village Gossip					
46/0050	Mrs I.A. Balding (I.A. Balding, Kingsclere)					A. Watkins
	GREEN and GOLD stripes					

Form		Trainer	Age	st	lb	Draw
	17 SOLEROF		5	8	2	(1)
03460/0-	B g Averof — Solhoon Mr M.C. Lawrence (J. Thorne, Bridgwater) LIGHT and DARK GREEN (halved), sleeves reversed, LIGHT GREEN cap, DARK GREEN star.					
	18 NO SALE		4	8	1	(5)
5606-00	B c Nonoalco (USA) — Salote (USA) Mr J.D. Riddell (R.A.L. Atkins, Elstead) RED, BLACK star, BLACK cap, RED star.					
	20 MARDI GRAS		4	8	0	(15)
00450-0	Gr g Martinmas — Miss Pimm Mrs H.G. Cambanis (B. Hobbs, Newmarket) BLACK, WHITE spots on body and sleeves.	J. Brown				
	21 MATCH MASTER		4	8	0	(8)
325325-	Ch g Roman Warrior — Giglet Mr J.B. Stafford (C.R. Nelson, Upper Lambourn) Mrs N.G. Stafford DARK BLUE, LIGHT BLUE sleeves, YELLOW cap with DARK BLUE stripes.					
	22 ACUSHLA MACREE		6	8	0	(20)
2140-00	Ch m Mansingh (USA) — Cannie Cassie Mr R.F. Johnson Houghton (R.F. Johnson Houghton, Didcot) BUFF, BLUE sleeves, MAUVE cap.	Sherry Cooper				
	25 DANCER'S EMULATION		3	7	10	(13)
0000-6	Gr c Dancer's Image (USA) — Mossinella Mr Jim Horrocks (M.J. Masson, Lewes) PURPLE and BEIGE stripes.					
	26 SCOTTISH GREEN		5	7	10	(3)
50/5020-	Ch g Scottish Rifle — Nuque (CHI) Mr B.E. Green (P.J. Makin, Marlborough) BROWN, LIGHT GREEN hoop, YELLOW cap.					
	28 TOWER WIN		6	7	8	(4)
64130-4	Ch h Tower Walk — Takawin Mr D. Turner (C.J. Benstead, Epsom) BROWN and EMERALD GREEN diamonds, GREEN sleeves, YELLOW cap.					
	29 SWEET DIPPER		6	7	7	(9)
000000-	Br g Golden Dipper — Sharp And Sweet Mrs Andrew Normand (W.G.R. Wightman, Upham) PINK, BLACK sleeves and cap, PINK spots.					
	30 DARTCAN		4	7	7	(21)
0400-0	Ch f Streak — Canamour Mr W.N. Pooley (D.C. Tucker, Frome) ROYAL BLUE and MAUVE (quartered), WHITE sleeves, MAUVE hoops, WHITE cap, ROYAL BLUE hoops.					
	31 LADY CYNARA		5	7	7	(6)
000/045	B m Starch Reduced — Golden Perch Mr William Ivin (C.P. Wildman, Salisbury) YELLOW, RED diamond, RED cap, YELLOW star.					
	33 RIVERHILL BOY		5	7	7	(2)
030/0-00	B g Manacle — My Grace Mr A.G. Marriott (C.P. Wildman, Salisbury) PINK, LIGHT GREEN sash, armlets and cap.					

NUMBER OF DECLARED RUNNERS **21** (DUAL FORECAST)

BLINKERS WILL BE WORN BY No. **11,17,18,22,26**
30,33

1st 2nd 3rd 4th

Time: Distance:

Standard Time: 1 min. 38.2 secs.

1982 Winner: **Fandangle**, 4-9-6, M. Rogan, 11-4 (fav), A. J. Tree

11 ran

horses whose place payoffs are £1 or just slightly higher. This method of sharing the place pool tends to favor longer-priced horses at the expense of the favorites.

The current track take to win is about 20.6% and to place is 26.5%, and the breakage is of the 10¢ variety, or more properly 10p, for pence.* These track takes are much higher than those in North America.

*We can calculate these track takes as follows: The payoff on horse i if it wins is $Q_w W/W_i$, but the pools are not made public. So let $q_i = W_i/W$, the efficient-market assumption. Let B be the average breakage, namely, 4.5p. Since breakage can be 0,1,2, . . . ,9 pence, its average is 4.5p. Then the payoff on i is $Q_w/q_i - B$, which equals the odds O_i , since the odds are based on total return (not return plus original stake as in North America). So $q_i = Q_w/(B + O_i)$. Summing over all n horses gives

$$\sum_{i=1}^n q_i = 1 = Q_w \sum_{i=1}^n \left(\frac{1}{B + O_i} \right),$$

since some horse must win. Hence

$$Q_w = \frac{1}{\sum_{i=1}^n (B + O_i)}.$$

For place, there are one, two, three, or four horses that are in the money, depending upon the number of starters. So

$$Q_p = \frac{m}{\sum_{i=1}^n (B + O_i)},$$

where $m = 1, 2, 3$, or 4 .

In the third race, the eight starters had win odds O_i and place odds PO_i as follows:

Horse Number	O_i	$1/(O_i + B)$	PO_i	$1/(PO_i + B)$
1	2.80	0.35149	1.10	0.87336
3	10.00	0.09955	1.50	0.64725
4	6.60	0.15049	1.90	0.51414
6	2.70	0.36430	1.60	0.60790
7	6.50	0.15279	1.80	0.54201
8	17.70	0.05635	3.10	0.31797
9	22.10	0.04516	3.30	0.29895
12	23.80	0.04194	3.50	0.28209
		1.25922		4.08367

Hence $Q_w = 1/1.25922 \cong 0.794$, and $Q_p = 3/4.0836 \cong 0.735$.

Since the track paybacks to win and place are different, we call the former, $Q_w = 0.794$, and the latter, $Q_p = 0.735$.

It is easy to apply the Dr. Z system in Great Britain, although with its much-higher track takes, there may not be as many Dr. Z system bets. We will utilize the simple substitution that

$$q_i = \frac{Q_w}{O_i} \quad (17.1)$$

where Q_w is the track payback to win and O_i are the odds to win on the horse under consideration.

At Newbury, $Q = 0.794$, so equation (17.1) becomes

$$q_i = \frac{0.794}{O_i}. \quad (17.2)$$

We developed new equations and figures to compute the expected value per pound bet to place, which may be used with your cutoff to determine when to bet.

The expected value per pound bet to place on horse i is

$$\begin{aligned} \text{EX Place} &= (\text{probability of placing})(\text{place odds}) \\ &= (\text{Prob})(PO_i). \end{aligned} \quad (17.3)$$

In equation (17.1), PO_i refers to the odds to place on horse i . Prob, the probability of placing, is determined as follows:^{*,†}

With $n = 5$ to 7 horses, the first 2 horses place and

$$\text{Prob} = 0.0667 + 2.37q - 1.61q^2 - 0.0097n. \quad (17.5)$$

*These equations were developed using the 1981/82 Aqueduct data to relate probability of in-the-money finishes to q , the probability of winning, and n , the number of horses. Equations (17.5), (17.6), and (17.7) had R^2 's of 0.991, 0.993, and 0.998, respectively. These equations are valid when q ranges from 0 to 0.6 for (17.5), from 0 to 0.45 for (17.6), and 0 to 0.3 for (17.7), which should be the case in most instances. However, Figures 17.7, 17.8, and 17.9 are valid for any q .

†In a race with $n = 2, 3$, or 4 horses, only one horse places, the winner. Such races are rare. Also, it is unlikely that the win and place pools would then become so unbalanced as to yield a Dr. Z system bet. However, one would occur when PO_i / O_i was at least 1.44, for a track payback of 0.794 and an expected-value cutoff of 1.14, since $1.14/0.794$ is 1.44. In such a case, one would have a good bet.

With $n = 8$ to 15 horses, the first 3 horses place and

$$\text{Prob} = 0.0665 + 3.44q - 3.47q^2 - 0.0049n. \quad (17.6)$$

With $n = 16$ or more horses, the first 4 horses place and

$$\text{Prob} = 0.0371 + 4.47q - 6.29q^2 - 0.00164n. \quad (17.7)$$

You may use Figures 17.7, 17.8, and 17.9 to determine Prob directly using only O_i , the win odds on the horse in question. You read off the graph corresponding to the number of horses in the race. Figure 17.7 corresponds to equation (17.5) and applies when there are five, six, or seven horses. Figure 17.8 corresponds to equation (17.6) and applies when there are eight to fifteen horses. Finally, Figure 17.9 corresponds to equation (17.7) and applies when there are sixteen or more horses.

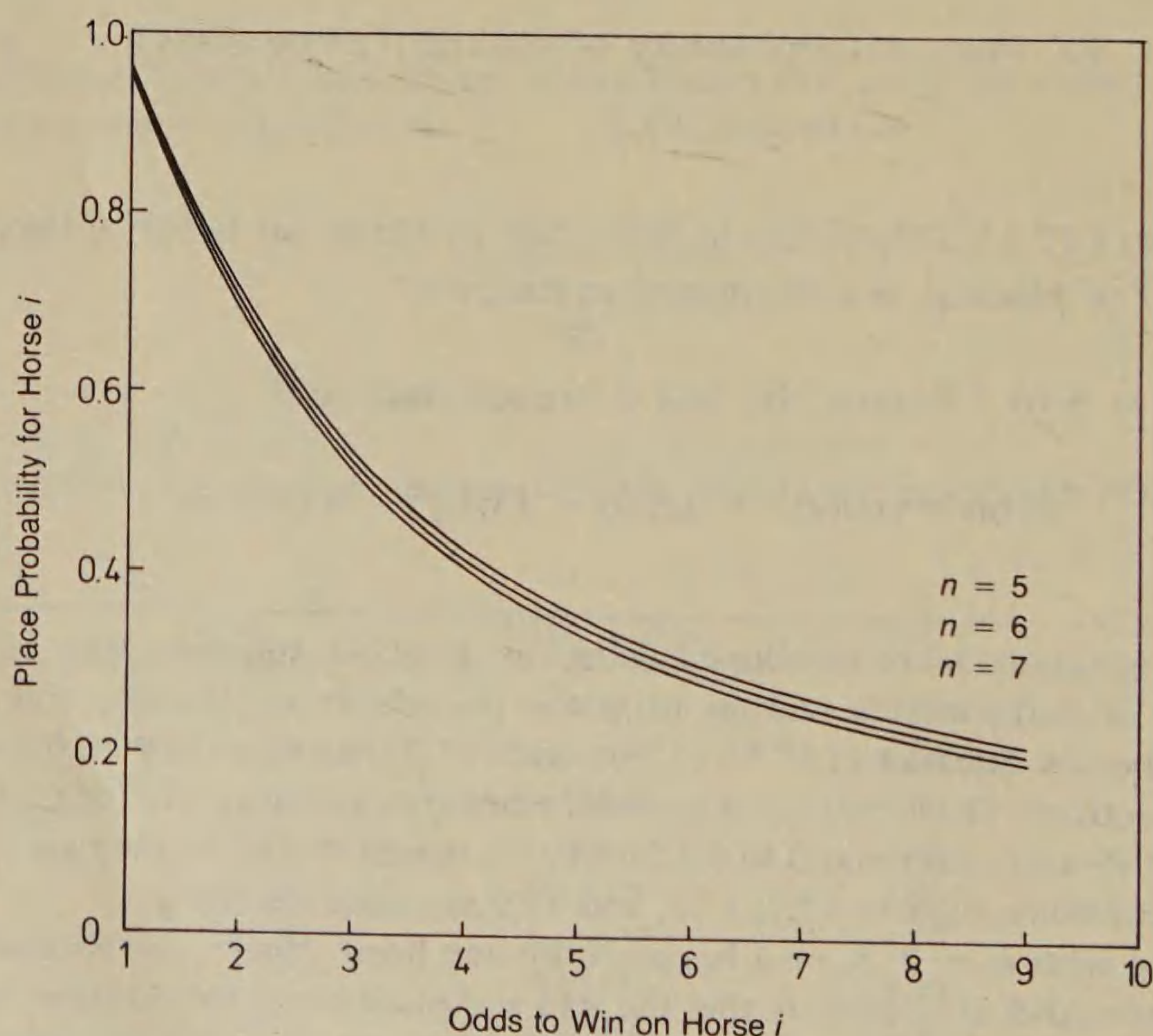


Figure 17.7 Probability of placing for different odds horses when the race has five to seven starters

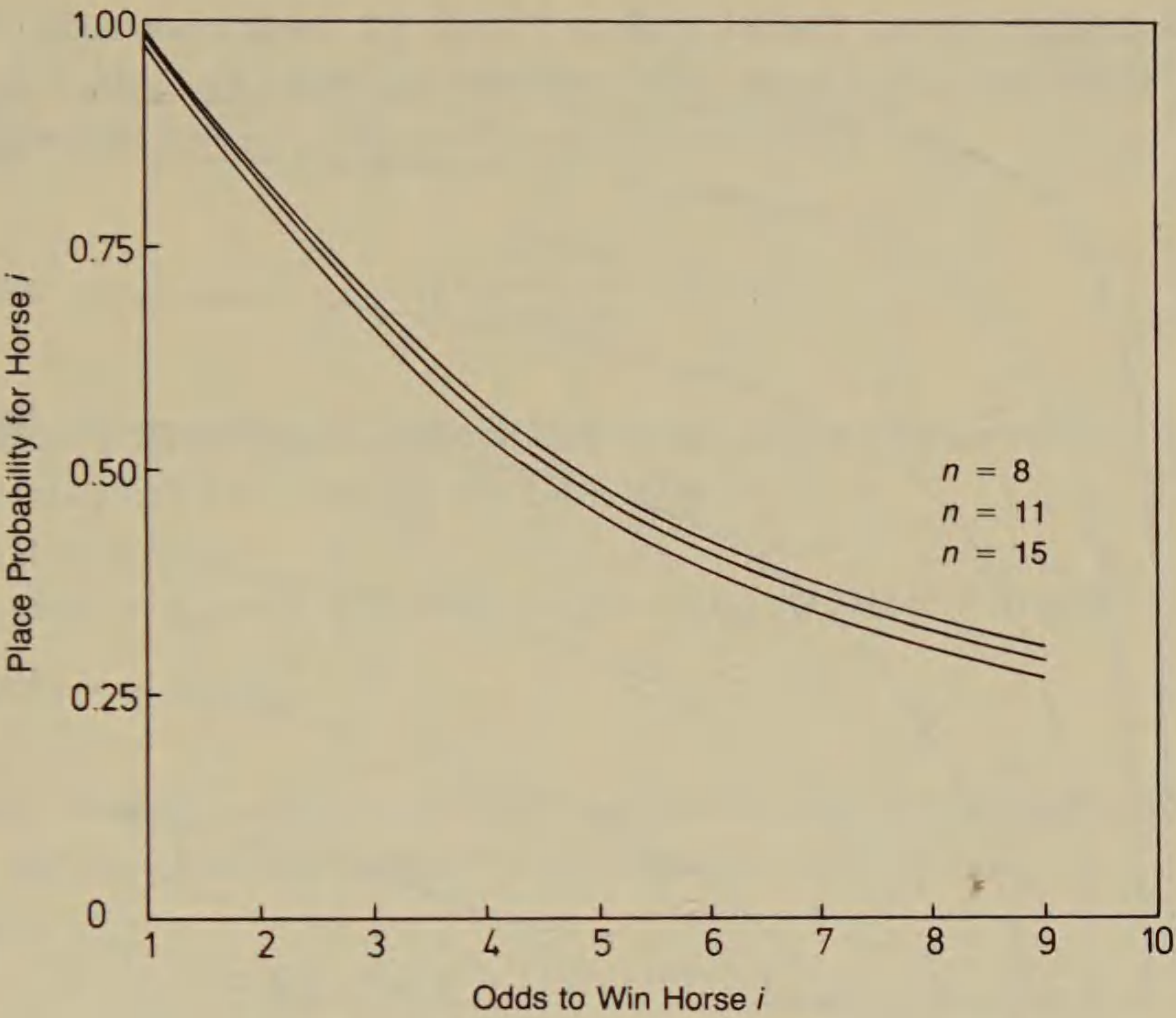


Figure 17.8 Probability of placing for different odds horses when the race has eight to fifteen starters

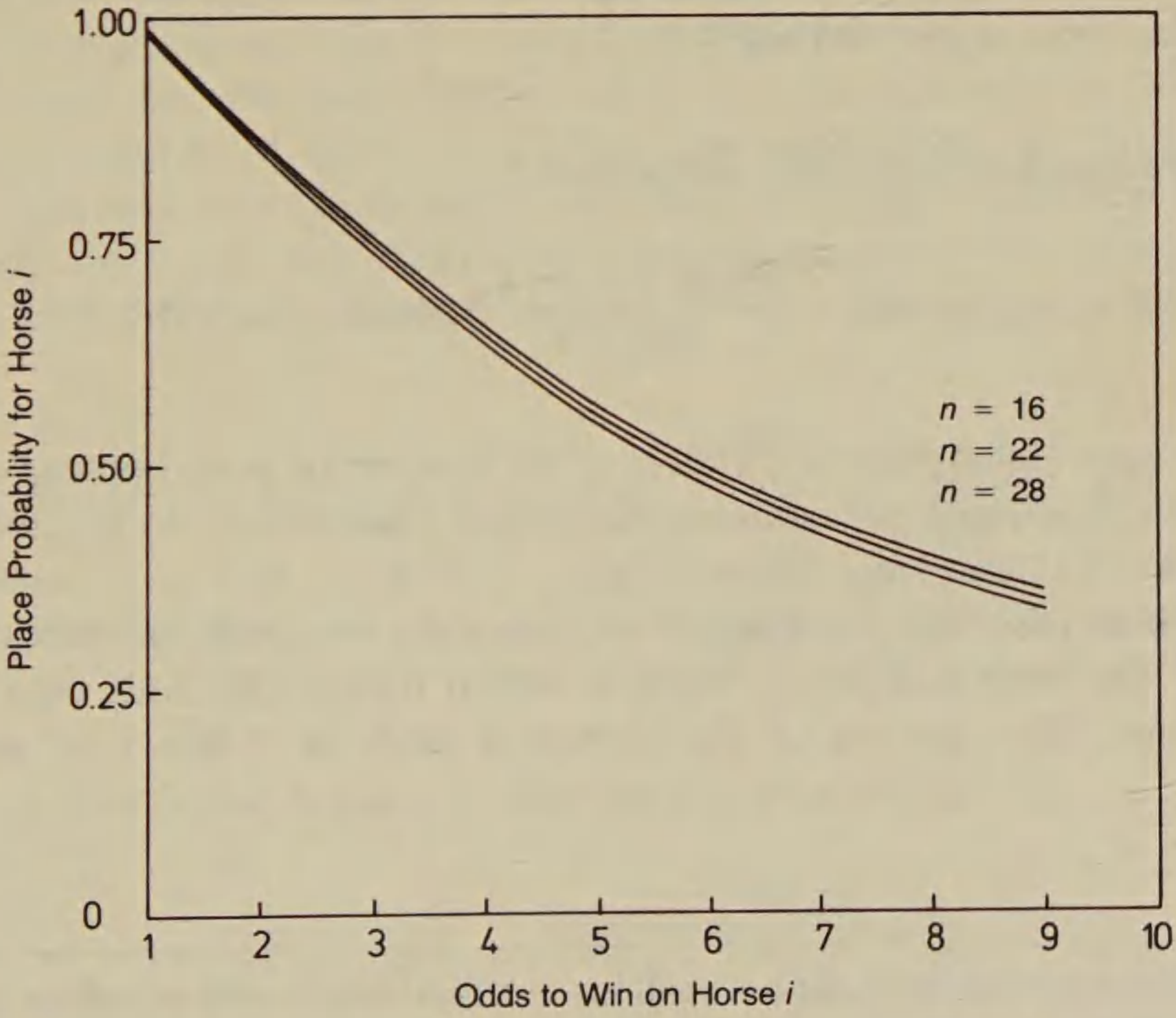


Figure 17.9 Probability of placing for different odds horses when the race has sixteen or more starters

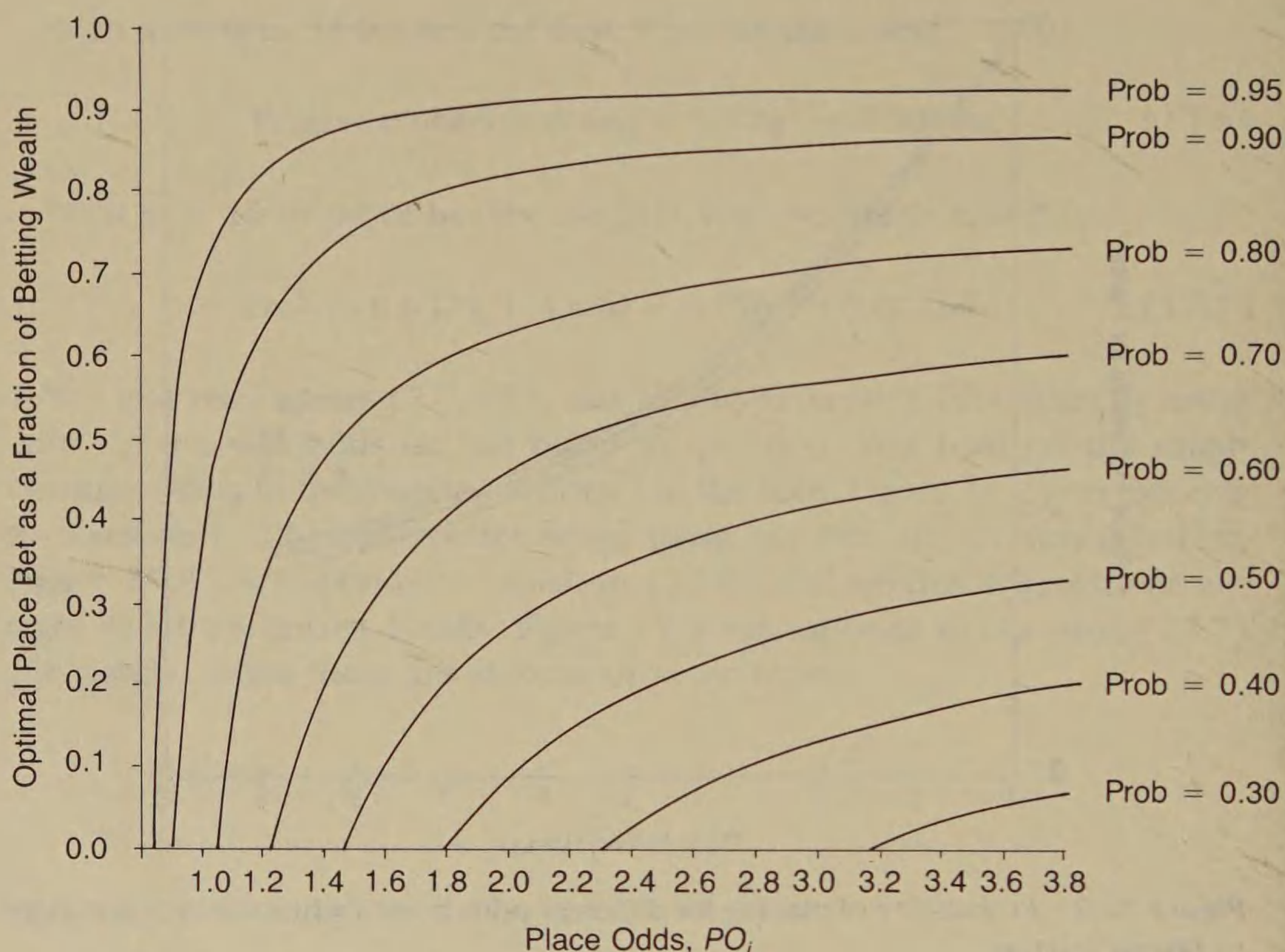


Figure 17.10 The optimal bet when the probability of placing is Prob and the place odds of the horse in question is PO_i

The optimal Kelly-criterion bet is then*

$$\text{Optimal bet} = \left(\frac{\text{Prob } PO_i - 1}{PO_i - 1} \right) (\text{betting wealth}). \quad (17.8)$$

So you wager $(\text{Prob } PO_i - 1)/(PO_i - 1)$ percent of your betting wealth.

You can determine the optimal fraction of your wealth to bet indicated by equation (17.8) using Figure 17.10.

The fourth race was the Kingsclere Stakes for two-year-old fillies over 6 furlongs. The field had seven starters, which meant that only two horses could place. The favorite of the crowd at odds of 2.20—1 to win was

*We have assumed that your bets will be small and hence will not affect the odds very much. Thus to determine the optimal bet b for betting wealth w_0 , you maximize $\text{Prob} \log [w_0 + (PO_i - 1)b] + (1 - \text{Prob})\log(w_0 - b)$, whose solution is equation (17.8).

Valkyrie. She was ridden by the legendary jockey Lester Piggott, England’s answer to America’s Bill Shoemaker. Near post time, the place odds on Valkyrie were 1.90—1. Hence by equation (17.2),

$$q = \frac{0.794}{2.20} = 0.361.$$

So Valkyrie had a 36.1% chance of winning the race. Her chance of placing, using equation (17.5) or Figure 17.7, was

$$\begin{aligned} \text{Prob} &= 0.0667 + 2.37(0.361) - 1.61(0.361)^2 - 0.0097(7) \\ &= 0.646. \end{aligned}$$

Hence, Valkyrie’s chance of placing was 64.6%. The expected value per pound bet to place on Valkyrie from equation (17.3) was

$$\begin{aligned} \text{EX Place} &= (\text{Prob})(PO_i) \\ \text{EX Place} &= (0.646)(1.90) = 1.23. \end{aligned}$$

Thus we should expect to make a 23% profit betting on Valkyrie to place.

My betting fortune was £100, so from Figure 17.10 or equation (17.8), my optimal bet was £25. Pebbles won the race, followed by Refill, with Valkyrie taking third. I lost my £25 bet (see pages 360 and 361).

The fifth race was the Kenneth Robertson Stakes for three-year-olds over one mile and 3 furlongs. There were eight starters, so three horses would place. With three minutes to post time the tote board read as follows:

	Horse						
	#1	#2	#4	#8	#9	#10	#11
Win odds	7.20	4.70	3.50	5.50	5.90	7.70	15.40
Place odds	1.70	2.70	1.40	1.20	1.60	1.80	3.60

Near the end of the betting period the tote board was

	Horse						
	#1	#2	#4	#8	#9	#10	#11
Win odds	7.30	4.80	3.60	4.30	6.90	9.10	17.20
Place odds	1.90	1.80	1.70	1.20	2.00	1.90	3.40

Fourth Race

TOTE TREBLE

3.30

Six Furlongs, for Two Yrs Old Fillies Only

The Kingsclere Stakes

£6000 added to stakes
Distributed in accordance with Rule 194 (iii) (a)
(Includes a fourth prize)
for two yr old fillies only
SIX FURLONGS

£12 to enter, £48 extra if declared to run

Weights: 8st 8lb each

Penalties, a winner of a race value £2500 4lb
Maidens allowed 3lb

The winner of this race, if qualified under Rule 195, will receive a Fillies' Premium of
£2400

FP A SS

72 entries, 54 at £12 and 18 at £60. — Closed 18th May, 1983.

Owners Prize Money. Winner £3817; Second £1253; Third £596;
Fourth £268.

(Penalty Value £4963.20)

Form		Trainer	Age	st	lb	Draw
	1	BLANCHE NEIGE		8	8	(3)
		Gr f Forlorn River — La Magna				
1		Mrs Paulette Meynet (M.A. Jarvis, Newmarket)				B. Raymond
		PINK, PURPLE diamonds, PURPLE sleeves, hooped cap.				
	2	VALKYRIE		8	8	(4)
		B f Bold Lad (IRE) — Sarissa				
41		Lord Howard de Walden (H. Cecil, Newmarket)				L. Piggott
		APRICOT.				
	5	DAMKINA		8	5	(6)
		Gr f Hittite Glory — Charter Island				
32		Mrs Peter Hastings (R. Sheather, Newmarket)				
		PRIMROSE, BLACK hoop, armlets and cap.				
	8	ISLAND MILL		8	5	(2)
		B f Mill Reef (USA) — Siliciana				
		Mrs I.A. Balding (I.A. Balding, Kingsclere)				J. Matthias
		GREEN and GOLD stripes.				
	10	PEBBLES		8	5	(5)
		Ch f Sharpen Up — La Dolce				
0		Capt M. Lemos (C.E. Brittain, Newmarket)				P. Robinson
		ROYAL BLUE, WHITE hoop on body, striped cap.				
	11	POUSDALE-TACHYTEES		8	5	(7)
		B f Tachypous — Teesdale				
2450		Lord Oakley Ltd (Mrs C.J. Reavey, Wantage)				
		DARK GREEN, YELLOW chevron and armlets, hooped cap.				
	13	REFILL		8	5	(1)
		Br f Mill Reef (USA) — Regal Twin (USA)				
		Mr E.N. Kronfeld (I.A. Balding, Kingsclere)				Pat Eddery
		DARK BLUE, WHITE cross-belts and sleeves, PINK cap.				

NUMBER OF DECLARED RUNNERS **7** (DUAL FORECAST)

1st 2nd 3rd 4th

Time: Distance:

Standard Time: 1 min. 12.6 secs.

1982 Winner: **Bright Crocus (USA)**, 8-5, L. Piggott, 4-9, H. Cecil 9 ran

The Horserace Betting Levy Board Prize Money Scheme provides for the
inclusion of £486,810 added money at this racecourse of 1983



One Mile and Three Furlongs, for Three Yrs Old Only
**4.00 The Kenneth Robertson
Stakes (Handicap)**

£3000 added to stakes
Distributed in accordance with Rule 194 (iii) (b)
for three yrs old only — Rated 0-50
ONE MILE AND THREE FURLONGS
£6 to enter, £24 extra if declared to run

1 MILE, 3 FURLONG
START



Lowest weight 7st 7lb
Penalties, after May 18th, a winner 6lb
SS

Weights raised 7lbs and Rule 94 (iii) (c) complied with where applicable
55 entries, 43 at £6 and 12 at £30. — Closed 18th May, 1983.
Owners Prize Money. Winner £1923; Second £585; Third £277.
(Penalty Value £2502.60)

Form		Trainer	Age	st	lb	Draw
	1 ORANGE REEF			9	7	(5)
515	Ch c Mill Reef (USA) — Carrot Top Beckhampton Ltd (A.J. Tree, Marlborough) PINK, BLACK and WHITE striped sleeves, WHITE cap.					Pat Eddery
	2 EQUANAID			9	7	(2)
010-12	B c Dominion — Jungle Queen Mr V. Kilkenny (C.R. Nelson, Upper Lambourn) DARK GREEN and YELLOW (quartered), YELLOW sleeves, check cap.					
	4 GAELIC JEWEL			9	3	(8)
0-13	Br f Scottish Rifle — Red Ruby Lavinia Duchess of Norfolk (J.L. Dunlop, Arundel) SKY BLUE, SCARLET quartered cap.					
	8 MOON JESTER			8	11	(4)
41-2622	Gr c Comedy Star (USA) — Castle Moon Mr T.C. Marshall (M.D.I. Usher, Lambourn) ORANGE and WHITE (halved), sleeves reversed, striped cap.					D McKay
	9 MISINSKIE (USA)			8	11	(6)
4233-	B f Nijinsky (CAN) — Kankakee Miss (USA) Mr S.S. Niarchos (P.T. Walwyn, Lambourn) DARK BLUE, LIGHT BLUE cross-belts, striped sleeves, WHITE cap.					J Mercer
	10 HARBOUR BRIDGE			8	8	(7)
030-015	B c Blakeney — Solar Mrs R.B. Kennard (W.G.R. Wightman, Upham) PALE BLUE and ORANGE stripes, BLUE cap, ORANGE diamond.					B. Rouse
	11 CAPTAIN WEBSTER			8	2	(3)
01-6416	Ch c Sandford Lad — Maynooth Belle Mr J. Woodman (S. Woodman, Chichester) Mr S.R. Deveson BROWN, YELLOW seams, hooped cap.					W. Newnes
	12 KWA ZULU (USA)			7	11	(1)
055-5	Ch c Naskra (USA) — Sweet Nothings (USA) Mr D.I. Scott (G.H. Hunter, East Ilsley) Mr G.H. Hunter BLACK, WHITE Maltese cross and cap, RED sleeves.					

NUMBER OF DECLARED RUNNERS 8 (DUAL FORECAST)

1st 2nd 3rd 4th

Time: Distance:

Standard Time: 2 mins. 18 secs.

1982 Winner: **Khairpour**, 9-1, J. Reid, 11-10, R F Johnson.Houghton 9 ran

The best bet was on Gaelic Jewel, the number 4 horse. From equation (17.2)

$$q = \frac{0.794}{3.60} = 0.221.$$

So Gaelic Jewel's chance of winning was 22.1%. His chance of placing, using equation (17.6) or Figure 17.8, was

$$\begin{aligned} \text{Prob} &= 0.0665 + 3.44(0.221) - 3.47(0.221)^2 - 0.0049(8) \\ &= 0.616. \end{aligned}$$

Hence, Gaelic Jewel would be in the money 61.1% of the time. The expected value per pound bet to place on Gaelic Jewel from equation (17.3) was then

$$\text{EX Place} = (0.616)(1.70) = 1.05.$$

This low expected value signalled caution. A bet of £5 was suggested from Figure 17.10 or equation (17.8).

$$\begin{aligned} \text{Optimal bet} &= \frac{(0.616)(1.70) - 1}{(1.70 - 1)} (\text{betting wealth}) \\ &= (0.07)(£75) \\ &= £5. \end{aligned}$$

Moon Jester won the race. Gaelic Jewel took second, and Orange Reef was third. My £5 bet returned £8.50, for a £3.50 profit.

In summary, the Dr. Z system is easy to apply in England, France, Italy, Germany, Australia, Hong Kong, and the other countries that utilize a win-and-place betting scheme. First determine Prob using one of Figures 17.7, 17.8, or 17.9. Then multiply Prob by PO_i to determine the expected value per pound bet to place. If this value exceeds the cutoff—we recommend 1.14—then use O_i in Figure 17.10 to determine the optimal bet. We have not done enough research to determine how often Dr. Z system bets will occur in England. With the higher track take, however, there will likely be fewer than in North America.

APPENDIX A

Thoroughbred Racetracks in North America: Seasons, Purses, Betting, and Track Takes

At the end of this appendix is a map that shows you the locations of the major thoroughbred racetracks in North America. More detailed information on the typical seasons, days, attendance, mutuel handle, races run, number and percentage of winning crowd favorites at these racetracks in 1982 appears in Table A.1. Information about racing in the United States appears in Tables A.2–A.5. Table A.2 shows the number of racing days by state for the twenty-four states that have thoroughbred racing. Oklahoma, Minnesota, and Iowa are likely to add racing soon, and New Hampshire's Rockingham Park is due to reopen soon. Delaware no longer has thoroughbred racing, now that Delaware Park has been closed. California has the most racing days, with large purses at Del Mar, Hollywood Park, and Santa Anita; medium purses at Bay Meadows and Golden Gate Fields; and small purses at the fair meetings.

The daily average gross purses by state in 1982 are shown in Table A.3. New York, which features Aqueduct, Belmont, and Saratoga and both on-track and off-track betting has the largest purses, averaging \$151,000 per racing day. California and Arkansas have purses nearly as great. Arkansas rates so high because the only racing is at Oaklawn Park, one of the nation's top tracks. In 1982, purses in the United States averaged 6.8% of the money bet. The daily average betting in 1982, by state, appears in Table A.4. New York has the highest figure, followed by California and Arkansas, New Jersey, and Florida, each of which averaged over \$1 million per day. The total betting per year appears in Table A.5. New York and California swamp the other states, with totals of \$2.2 and \$1.5 billion, respectively. Surprisingly, Louisiana is third, higher than wealthier states such as Illinois, Florida, New Jersey, and Pennsylvania, and the famous racing state of Kentucky.

The track takes that are set by state in the United States and by province in Canada appear in Table A.6.

TABLE A.1 Typical seasons, attendance, mutuel handle, and percentage of winning favorites of the crowd at major North American racetracks in 1982

Track	Dates	Days	Attendance	Mutuel Handle	Races Run	Winning First Choices	Percentage Winning Favorites
Agua Caliente, Mexico	Jan. 1 to Dec. 31	100	650,500	40,429,519	1,079	397	.35
Ak-Sar-Ben, Nebr.	Apr. 27 to July 26	67	1,006,636	115,941,609	613	170	.27
Albuquerque, N.M.	Sep. 10 to Sep. 26	17	194,994	16,190,449	150	43	.27
Arlington Park, Ill.	May 17 to Sep. 30	121	1,284,981	176,654,761	1,099	402	.35
Aqueduct, N.Y.	Jan. 1 to Mar. 15	59	784,749	148,109,394	519	158	.30
	Mar. 17 to May 17	52	860,543	171,566,282	468	162	.33
	Oct. 13 to Dec. 31	68	965,872	195,433,702	612	193	.31
Assiniboia Downs, Man.	Apr. 23 to Oct. 11	108	430,821	40,529,870	1,001	352	.34
Atlantic City, N.J.	May 27 to Sep. 4	72	473,379	45,904,747	656	206	.30
Atokad Park, Nebr.	Apr. 30 to July 25	40	66,686	3,796,533	356	140	.38
	Nov. 12 to Dec. 12	14	24,454	2,491,321	123	55	.43
Belmont Park, N.Y.	May 19 to Aug. 2	70	1,289,698	221,472,820	630	227	.36
	Sep. 1 to Oct. 11	36	617,416	110,060,017	324	101	.30
Beulah Park, Ohio	Mar. 6 to Apr. 25	36	153,289	18,264,991	339	111	.32
	Sep. 25 to Nov. 28	46	183,862	22,089,733	434	116	.25
Billings, Mont.	Aug. 11 to Oct. 3	33	124,080	5,063,825	334	121	.34
Bay Meadows, Calif.	Jan. 1 to Feb. 6	27	253,668	47,983,101	247	74	.29
	Sep. 22 to Oct. 24	25	252,181	44,045,016	225	67	.29
	Oct. 26 to Dec. 31	49	467,237	85,710,533	449	120	.26
Bay Meadows Fair, Calif.	Sep. 6 to Sep. 19	12	110,979	19,099,266	108	27	.24
Balmoral, Ill.	May 21 to Aug. 22	67	199,537	25,031,368	620	230	.36
Boise, Idaho	May 11 to Aug. 22	50	150,939	6,465,564	346	122	.34
Bowie, Md.	Jan. 1 to Mar. 12	57	434,503	59,256,971	513	151	.29
	Sep. 7 to Oct. 18	36	253,555	33,764,538	324	114	.34
Churchill Downs, Ky.	Apr. 24 to June 26	55	719,278	75,316,479	496	169	.32
	Nov. 1 to Nov. 27	24	242,855	30,039,099	216	68	.31

Coeur d'Alene, Idaho	Apr. 4 to May 16	14	21,113	1,763,472	118	39	.32
Centennial, Colo.	May 1 to Sep. 26	96	313,805	30,638,584	963	324	.32
	Sep. 29 to Nov. 7	24	53,166	5,330,636	120	47	.38
Columbus, Ohio	Sep. 1 to Oct. 3	26	90,800	8,512,210	224	68	.29
Commodore, Pa.	May 1 to Sep. 12	78	168,047	12,778,543	780	272	.33
Calder, Fl.	Jan. 1 to Jan. 7	6	64,102	8,900,284	60	24	.39
	May 17 to Nov. 10	130	1,072,291	134,487,479	1,299	436	.32
	Nov. 11 to Dec. 31	44	385,357	52,316,043	440	146	.32
Charlestown, W.V.	Jan. 8 to Mar. 31	52	163,894	17,334,892	505	147	.28
	Apr. 1 to June 30	65	265,559	24,828,104	633	207	.31
	July 1 to Sep. 30	68	302,370	26,477,994	665	223	.33
	Oct. 1 to Dec. 11	51	202,980	21,263,573	504	176	.34
Delta Downs, La.	Jan. 1 to Mar. 28	49	154,177	22,757,751	490	155	.31
	Sep. 10 to Dec. 31	57	165,980	23,335,873	350	120	.33
Delaware, Del.	May 29 to Sep. 6	73	380,434	41,294,062	672	224	.32
Detroit, Mich.	July 13 to Oct. 24	90	436,577	59,215,287	843	293	.33
Del Mar, Calif.	July 21 to Sep. 8	43	842,062	133,798,260	387	114	.28
Ellis Park, Ky.	July 1 to Sep. 6	59	302,915	34,437,823	553	149	.26
Exhibition Park, B.C.	Apr. 12 to Oct. 16	109	1,106,037	146,837,394	1,089	340	.31
Evangeline Downs, La.	Apr. 1 to Sep. 6	94	356,416	47,626,656	898	300	.32
Fort Erie, Ont.	May 8 to Aug. 2	37	181,896	17,917,624	318	114	.35
	Aug. 4 to Sep. 3	22	128,622	30,382,121	206	60	.28
Ferndale, Calif.	Aug. 12 to Aug. 21	9	31,563	1,190,743	51	28	.50
Fair Grounds, La.	Jan. 1 to Apr. 4	69	540,638	94,665,569	690	253	.35
	Nov. 25 to Dec. 31	27	245,864	35,286,225	270	81	.30
Finger Lakes, N.Y.	Mar. 28 to Apr. 18	8	28,422	2,992,195	72	23	.31
	Apr. 23 to June 27	48	155,092	16,246,723	434	144	.32
	June 29 to Sep. 1	48	187,765	18,099,973	442	160	.35
	Sep. 3 to Nov. 9	49	149,064	15,998,158	444	145	.32
	May 7 to May 31	18	66,245	7,749,026	104	35	.32
Fresno, Calif.	Oct. 4 to Oct. 16	12	82,476	9,018,714	108	40	.36

TABLE A.1 (Continued)

Track	Dates	Days	Attendance	Mutuel Handle	Races Run	Winning First Choices	Percentage Winning Favorites
Fairmount Park, Ill.	Mar. 26 to Nov. 6	155	804,119	83,702,594	1,570	502	.31
Great Barrington Fair, Mass.	Sep. 17 to Sep. 26	10	51,658	5,555,324	100	43	.42
	Oct. 1 to Oct. 11	10	34,488	3,015,452	100	43	.40
Great Falls, Mont.	July 28 to Aug. 8	12	—	1,032,426	107	43	.41
Golden Gate, Calif.	Feb. 9 to May 12	67	679,792	120,252,239	605	193	.31
	May 13 to June 27	35	377,245	68,866,904	317	100	.30
Gulfstream Park, Fla.	Mar. 8 to May 15	60	647,995	88,397,226	600	180	.29
Greenwood, Can.	Mar. 22 to May 1	33	321,811	46,249,144	283	105	.36
	Nov. 1 to Dec. 9	34	287,286	42,854,757	304	98	.32
Grants Pass, Ore.	June 11 to July 5	13	19,696	1,349,859	74	40	.51
Hawthorne, Ill.	Jan. 1 to Jan. 2	2	22,340	3,225,973	18	3	.16
	Oct. 1 to Dec. 31	79	686,878	102,084,166	711	243	.33
Hialeah, Fla.	Jan. 8 to Mar. 6	50	614,090	92,769,564	503	168	.32
Hollywood Park, Calif.	Apr. 23 to July 19	66	1,796,686	335,255,438	595	213	.35
	Nov. 3 to Dec. 23	38	837,687	152,081,677	342	98	.27
Hazel Park, Mich.	Mar. 6 to July 10	99	532,875	77,799,438	919	306	.32
Jefferson Downs, La.	Apr. 8 to Sep. 18	105	484,906	59,867,648	939	321	.33
	Sep. 22 to Nov. 13	32	136,018	17,907,835	296	91	.29
Keeneland, Ky.	Apr. 2 to Apr. 23	15	183,335	17,952,311	120	47	.38
	Oct. 9 to Oct. 30	16	204,767	19,099,494	129	44	.33
Keystone, Pa.	Jan. 1 to Jan. 8	7	53,730	6,841,068	63	14	.21
	Feb. 2 to Feb. 24	14	99,826	12,887,595	126	37	.29
	Feb. 26 to Mar. 24	24	185,828	24,716,067	216	66	.29

Los Alamitos, Calif.	Mar. 26 to May 12	38	280,085	38,445,543	343	86	.24
Louisiana Downs, La.	May 14 to May 31	16	127,898	14,977,609	145	43	.29
La Mesa Park, N.M.	June 1 to June 23	17	102,354	12,621,770	153	49	.31
Latonia, Ky.	June 25 to Aug. 11	35	227,017	27,682,378	315	101	.30
	Aug. 13 to Sep. 15	26	185,777	21,902,649	235	77	.31
	Sep. 17 to Nov. 6	44	296,922	39,696,249	396	125	.30
	Nov. 7 to Dec. 31	46	302,711	41,378,098	414	122	.28
	Oct. 25 to Nov. 8	13	108,343	17,871,269	104	38	.35
	May 7 to Oct. 17	115	1,299,868	208,198,136	1,092	303	.27
	May 1 to Oct. 3	59	107,043	13,711,177	389	116	.29
	Jan. 1 to Apr. 1	69	255,603	32,286,430	662	204	.30
	Sep. 9 to Oct. 7	25	112,079	12,929,652	227	70	.30
	Nov. 28 to Dec. 31	29	116,033	15,082,852	269	91	.32
Longacres, Wash.	Apr. 28 to Oct. 25	131	1,235,682	160,650,188	1,310	352	.26
Lincoln State Fair, Neb.	July 28 to Aug. 29	25	169,826	19,487,108	238	81	.33
	Oct. 6 to Nov. 7	25	100,007	11,558,966	219	90	.40
Laurel, Md.	May 24 to July 19	49	319,365	40,999,337	441	150	.33
	Oct. 19 to Dec. 31	61	497,636	67,531,290	541	178	.32
	July 9 to Oct. 16	57	97,464	9,999,606	570	178	.30
Marquis Downs, Can.	Sep. 6 to Dec. 31	95	1,501,475	204,330,278	974	305	.30
Meadowlands, N.J.	Aug. 20 to Aug. 28	8	48,284	3,336,207	80	32	.40
Marshfield Fair, Mass.	Apr. 30 to Sep. 4	110	1,124,113	145,181,452	1,037	338	.32
Monmouth Park, N.J.	Sep. 3 to Sep. 12	10	54,847	5,462,528	100	46	.45
Northampton Fair, Mass.	Apr. 9 to Aug. 9	85	505,738	73,233,797	839	296	.35
Northlands Park, Alta.	Feb. 5 to Apr. 10	56	1,296,635	159,195,877	538	168	.30
Oaklawn Park, Ark.	Jan. 1 to Mar. 3	37	148,681	15,600,459	342	106	.30
Penn National, Pa.	Mar. 5 to July 23	99	487,578	45,619,549	912	294	.31
	July 24 to Dec. 19	101	461,625	44,884,216	953	303	.30

TABLE A.1 (Continued)

Track	Dates	Days	Attendance	Mutuel Handle	Races Run	Winning First Choices	Percentage Winning Favorites
Pimlico, Md.	Mar. 13 to May 22	60	583,182	72,482,503	540	175	.31
Park Jefferson, S.D.	July 31 to Oct. 10	23	31,949	2,296,009	199	72	.34
Playfair, Wash.	May 21 to Oct. 11	82	331,683	25,645,858	820	268	.32
Pleasanton, Calif.	June 28 to July 11	12	132,134	17,435,726	108	36	.31
Portland Meadows, Ore.	Jan. 2 to Apr. 25	61	288,116	28,208,340	537	176	.31
	Oct. 30 to Dec. 31	33	147,639	12,840,923	294	90	.29
Pomona, Calif.	Sep. 9 to Sep. 26	18	246,370	34,173,163	164	43	.25
Prescott Downs, Ariz.	May 29 to Sep. 6	34	64,828	4,141,970	201	61	.29
River Downs, Ohio	Apr. 24 to June 27	56	264,846	31,017,129	534	152	.27
	June 28 to Sep. 6	61	311,259	37,260,594	589	203	.33
Regina, Sask.	May 7 to July 3	34	46,309	4,870,059	334	122	.36
Rillito, Ariz.	Jan. 1 to Apr. 11	32	38,887	2,892,758	167	58	.33
Ruidoso, N.M.	May 8 to Sep. 6	66	360,737	41,612,788	450	162	.34
Santa Anita Park, Calif.	Jan. 1 to Apr. 21	81	2,518,942	415,047,491	729	247	.32
	Sep. 29 to Nov. 1	27	778,185	120,664,811	243	79	.31
	Dec. 26 to Dec. 31	5	180,284	26,232,290	45	17	.36
Sacramento, Calif.	Aug. 24 to Sep. 6	14	135,511	11,308,763	126	48	.36
Salem, Ore.	Aug. 28 to Oct. 24	30	97,300	6,108,357	257	98	.36
Sandown Park, B.C.	Oct. 21 to Nov. 21	19	41,087	3,434,149	162	57	.33
Saratoga, N.Y.	Aug. 4 to Aug. 30	27	678,059	75,030,078	243	89	.36
Santa Fe, N.M.	May 7 to Sep. 6	69	253,614	27,468,451	556	185	.32
Solano, Calif.	July 13 to July 25	12	131,886	13,114,915	108	38	.34
Sportsman's Park, Ill.	Feb. 17 to May 15	74	718,410	105,998,674	666	236	.34
Santa Rosa, Calif.	July 26 to Aug. 7	12	116,749	12,791,008	108	26	.23

Stockton, Calif.	Aug. 9 to Aug. 21	12	63,348	8,892,122	108	34	.31
Stampede Park, Alta.	Aug. 13 to Nov. 8	66	289,275	46,736,507	660	201	.30
Suffolk Downs, Mass.	Jan. 1 to Aug. 15	161	1,108,697	148,705,932	1,622	529	.31
	Aug. 30 to Dec. 31	89	567,952	77,370,040	899	294	.31
Sunland Park, N.M.	Jan. 1 to May 2	53	176,436	20,872,868	444	160	.35
	Oct. 15 to Dec. 31	30	81,231	9,435,332	227	83	.35
Tampa Bay, Fla.	Jan. 1 to Apr. 5	68	291,203	25,278,194	683	227	.32
	Dec. 3 to Dec. 31	14	54,240	5,038,666	140	50	.34
Thistledown, Ohio	Mar. 19 to May 23	46	209,639	28,037,694	434	151	.34
	May 26 to Aug. 1	51	254,513	31,623,508	482	164	.33
	Aug. 4 to Oct. 10	50	239,799	30,049,728	471	155	.31
	Oct. 13 to Dec. 13	44	179,979	24,941,092	425	129	.29
Timonium, Md.	July 20 to Sep. 6	42	231,717	25,851,655	386	139	.35
Turf Paradise, Ariz.	Jan. 1 to Mar. 5	46	291,254	27,987,932	506	137	.26
	Mar. 6 to May 28	58	279,837	27,855,443	590	189	.31
	Oct. 13 to Dec. 31	58	364,956	25,896,826	552	168	.29
Waterford Park, W.V.	Jan. 1 to Mar. 31	58	111,949	13,616,503	602	194	.31
	Apr. 1 to June 30	67	153,778	15,771,067	706	230	.32
	July 1 to Sep. 30	66	166,355	16,221,754	708	233	.32
	Oct. 1 to Dec. 31	55	108,260	11,854,079	574	179	.30
Woodbine, Ont.	May 2 to Aug. 2	68	700,559	104,933,274	618	202	.32
	Sep. 4 to Oct. 31	44	411,093	70,549,204	415	140	.33
Yakima Meadows, Wash.	Feb. 13 to Apr. 25	25	71,886	7,093,925	250	81	.32
	May 1 to May 31	11	24,311	1,940,825	46	11	.23
	Aug. 28 to Oct. 3	13	32,829	2,138,872	50	20	.38
	Oct. 9 to Nov. 28	24	48,579	4,958,798	240	88	.36
Grand Totals		7,729	57,050,085	7,723,476,101	71,516	23,412	.32

Source: *The American Racing Manual, 1983; The Daily Racing Form.*

TABLE A.2 *Thoroughbred racing days in the United States in 1982*

1. California	607	13. Massachusetts	288
2. Pennsylvania	587	14. New Jersey	279
3. Louisiana	548	15. Nebraska	237
4. Illinois	498	16. Arizona	228
5. West Virginia	482	17. Michigan	189
6. New York	466	18. Oregon	137
7. Ohio	390	19. Colorado	120
8. Florida	372	20. Delaware	73
9. Maryland	311	21. Idaho	64
10. Washington	308	22. Arkansas	56
11. Kentucky	295	23. Montana	45
12. New Mexico	294	24. South Dakota	23

Source: *American Racing Manual*, 1983, and Hollingsworth (1983).

TABLE A.3 *Daily average gross purses at all thoroughbred tracks in various U.S. states in 1982 in dollars*

1. New York	151,000	13. Pennsylvania	51,000
2. California	145,000	14. Nebraska	43,000
3. Arkansas	143,000	15. Ohio	41,000
4. New Jersey	101,000	16. Washington	36,000
5. Florida	87,000	17. New Mexico	29,000
6. Maryland	79,000	18. Arizona	27,000
7. Delaware	73,000	19. Colorado	24,000
8. Illinois	73,000	20. West Virginia	24,000
9. Kentucky	73,000	21. Oregon	18,000
10. Louisiana	69,000	22. Montana	12,000
11. Massachusetts	55,000	23. South Dakota	10,000
12. Michigan	52,000	24. Idaho	9,000

Source: *American Racing Manual*, 1983, and Hollingsworth (1983).

TABLE A.4 *Daily average betting in the United States in 1982 in dollars*

1. New York	4,786,350	13. Washington	638,827
2. California	3,348,967	14. Pennsylvania	617,550
3. Arkansas	2,844,569	15. Ohio	572,524
4. New Jersey	1,412,202	16. Delaware	565,672
5. Florida	1,106,731	17. Oregon ^a	442,171
6. Illinois	998,941	18. New Mexico ^a	417,527
7. Maryland	978,735	19. Arizona ^a	392,356
8. Massachusetts	851,208	20. Colorado	319,152
9. Louisiana ^a	838,080	21. West Virginia	305,743
10. Kentucky	812,137	22. Idaho ^a	87,500
11. Michigan	721,130	23. Montana ^a	85,190
12. Nebraska ^a	666,503	24. South Dakota ^a	71,980

Source: National Association of State Racing Commissioners and Hollingsworth (1983).

^aIncludes quarter-horse racing.

TABLE A.5 *Thoroughbred betting in the United States in 1982 in dollars*

1. New York	2,228,000,000	13. Nebraska ^a	187,000,000
2. California	1,547,000,000	14. Arkansas	159,000,000
3. Louisiana ^a	503,000,000	15. West Virginia	147,000,000
4. Illinois	498,000,000	16. Michigan	137,000,000
5. Florida	398,000,000	17. New Mexico ^a	129,000,000
6. New Jersey	395,000,000	18. Arizona ^a	86,000,000
7. Pennsylvania	360,000,000	19. Oregon ^a	50,000,000
8. Maryland	300,000,000	20. Delaware	41,000,000
9. Massachusetts	243,000,000	21. Colorado	31,000,000
10. Kentucky	237,000,000	22. Montana	11,000,000
11. Ohio	223,000,000	23. Idaho	10,000,000
12. Washington	205,000,000	24. South Dakota ^a	4,000,000

Source: National Association of State Racing Commissioners and Hollingsworth (1983).

^aIncludes quarter-horse racing.

TABLE A.6 *Track takes in various states and provinces in 1982*

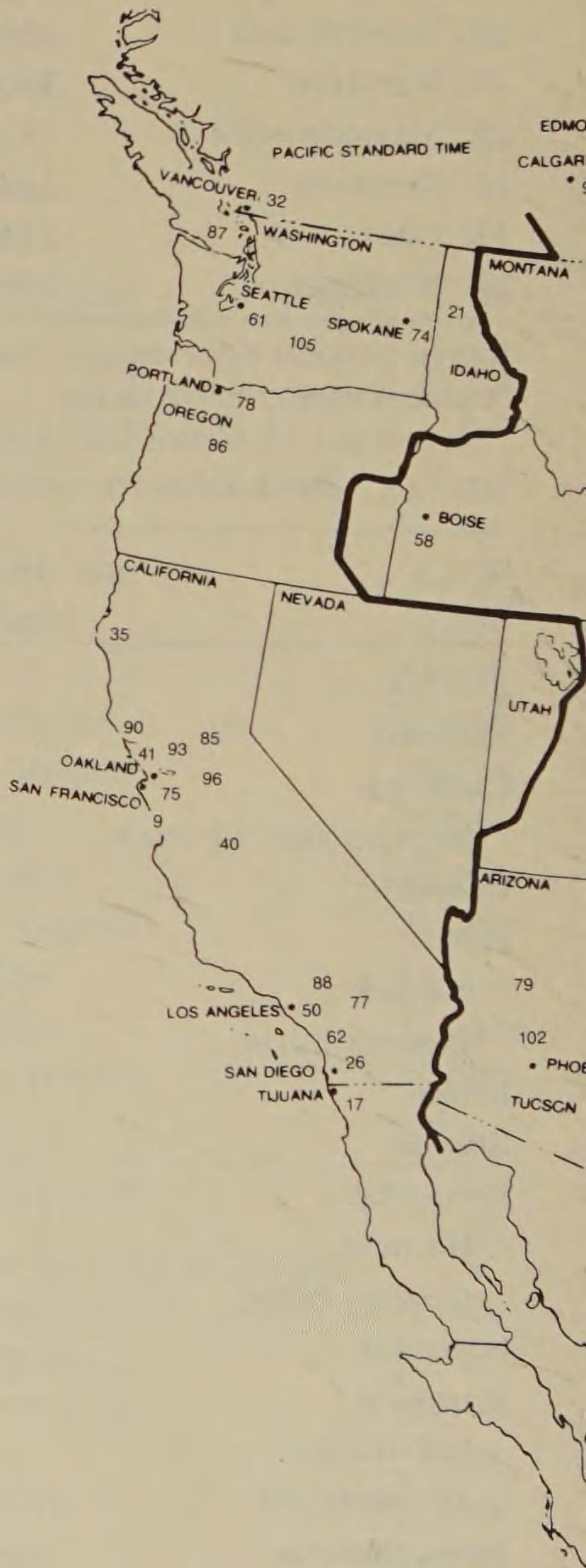
State	Track Take (%)	State	Track Take (%)
Arizona	18	Nebraska	15
Arkansas	16	New Hampshire Harness	19
California	15	New Jersey	17
Harness and fair track	16.75	New Mexico	18.75
Colorado	17	New York	17
Florida	17.6	Harness	17
Harness	19	Ohio	17.50
Quarter horse	18	Oregon	16
Idaho	17	Pennsylvania	17
Illinois	17	South Dakota	18.25
Kentucky	15	Washington	16
Harness	18	West Virginia	17.25
Quarter horse	17		
Louisiana	17	<u>PROVINCE</u>	
Maryland	15	Alberta	15.1
Fair tracks	16	British Columbia	16.3
Steeplechase	18	Manitoba	17.6
Massachusetts	19	Ontario	14.8
Michigan	16.25	Saskatchewan	22.1
Montana	20		

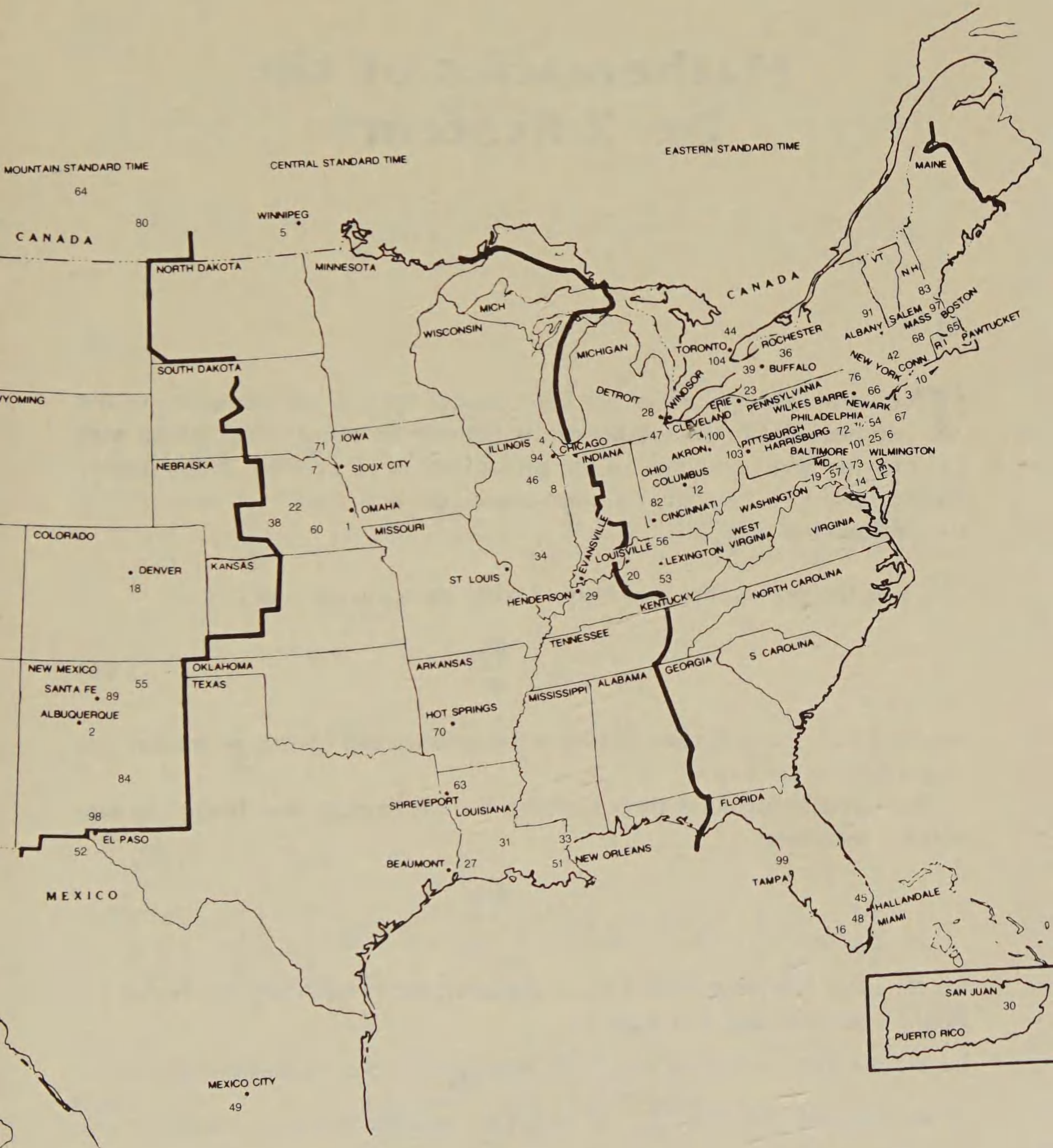
Source: The *Daily Racing Form*. Your local Jockey Club can advise you of any changes in these rates.

Locations of North American Thoroughbred Tracks

MAP KEYS

- | | |
|------------------------------|------------------------------|
| 1 Ak Sar-Ben | 56 Latonia |
| 2 Albuquerque | 57 Laurel Race Course |
| 3 Aqueduct | 58 Les Bols Park |
| 4 Arlington Park | 59 Lethbridge |
| 5 Assiniboia Downs | 60 Lincoln State Fair |
| 6 Atlantic City | 61 Longacres |
| 7 Atokad Park | 62 Los Alamitos |
| 8 Balmoral | 63 Louisiana Downs |
| 9 Bay Meadows | 64 Marquis Downs |
| 10 Belmont Park | 65 Marshfield Fair |
| 12 Beulah Race Track | 66 The Meadowlands |
| 14 Bowie Race Course | 67 Monmouth Park |
| 16 Calder Race Course | 68 Northampton |
| 17 Caliente | 69 Northlands Park |
| 18 Centennial Race Track | 70 Oaklawn Park |
| 19 Charles Town | 71 Park Jefferson |
| 20 Churchill Downs | 72 Penn National Race Course |
| 21 Coeur D'Alene | 73 Pimlico Race Course |
| 22 Columbus | 74 Playfair |
| 23 Commodore Downs | 75 Pleasanton |
| 25 Delaware Park | 76 Pocono Downs |
| 26 Del Mar | 77 Pomona |
| 27 Delta Downs | 78 Portland Meadows |
| 28 Detroit Race Course | 79 Prescott Downs |
| 29 James C. Ellis Park | 80 Regina |
| 30 El Comandante | 81 Rillito Race Track |
| 31 Evangeline Downs | 82 River Downs |
| 32 Exhibition Park | 83 Rockingham Park |
| 33 Fair Grounds | 84 Ruidoso Downs |
| 34 Fairmount Park | 85 Sacramento |
| 35 Ferndale | 86 Salem Fairgrounds |
| 36 Finger Lakes | 87 Sandown Park |
| 38 Fonner Park | 88 Santa Anita Park |
| 39 Fort Erie | 89 Sante Fe |
| 40 Fresno | 90 Santa Rosa |
| 41 Golden Gate Fields | 91 Saratoga |
| 42 Great Barrington | 93 Solano |
| 44 Greenwood | 94 Sportsman's Park |
| 45 Gulfstream Park | 95 Stampede Park |
| 46 Hawthorne | 96 Stockton |
| 47 Hazel Park | 97 Suffolk Downs |
| 48 Hialeah Park | 98 Sunland Park |
| 49 Hipodromo de las Americas | 99 Tampa Bay Downs |
| 50 Hollywood Park | 100 Thistledown |
| 51 Jefferson Downs | 101 Timonium |
| 52 Juarez Race Track | 102 Turf Paradise |
| 53 Keeneland | 103 Waterford Park |
| 54 Keystone Race Track | 104 Woodbine |
| 55 La Mesa Park | 105 Yakima Meadows |





Mathematics of the Dr. Z System*

The basic assumptions of the Dr. Z model are (1) the efficiency of the win market; (2) the validity of the Harville formulas, which along with (1) provide good estimates of the probability of all possible in-the-money finishes; and (3) the Kelly-criterion capital-growth model for determining the optimal bet size.

If q_i is the probability that horse i wins, then assumption (1) is

$$q_i = \frac{W_i}{W} \quad (\text{B1})$$

where $i = 1, \dots, n$ horses and W_i is the amount bet to win on horse i out of a total win pool of W .

The Harville formulas then estimate the probability that horse i is first and j is second as

$$q_{ij} = \frac{q_i q_j}{1 - q_i} \quad (\text{B2})$$

for all i and j running from 1 to n . Similarly, the probability that horse i is first, j is second, and k is third is

$$q_{ijk} = \frac{q_i q_j q_k}{(1 - q_i)(1 - q_i - q_j)} \quad (\text{B3})$$

for all i, j , and k running from 1 to n .

*This appendix is highly mathematical and is intended for those readers who would like a more detailed development of the Dr. Z system. The results given here were adapted from Hausch, Ziemba, and Rubinstein (1981) and Hausch and Ziemba (October 1983).

Equations B1–B3 can be used to calculate the expected value per additional dollar bet to place, EXP_l , and show, EXS_l on any given horse l as follows:

$$EXP_l =$$

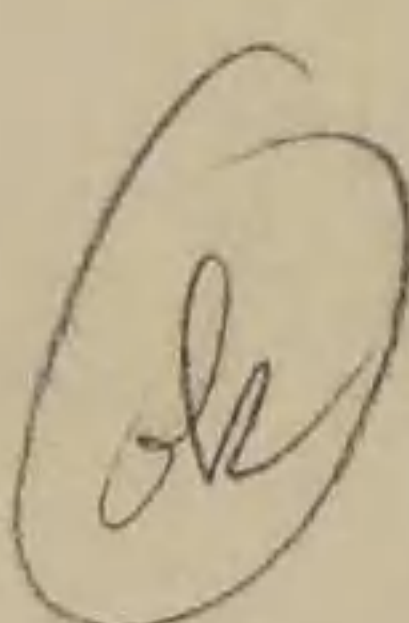
$$\begin{aligned} & \sum_{\substack{j=1 \\ j \neq l}}^n \left(\frac{q_l \times q_j}{1 - q_l} \right) \left\{ 1 + \frac{1}{20} \text{INT} \left[\left(\frac{Q(P + 1) - (1 + P_l + P_j)}{2} \right) \left(\frac{1}{1 + P_l} \right)^{20} \right] \right\} \\ & + \sum_{\substack{i=1 \\ i \neq l}}^n \left(\frac{q_i q_l}{1 - q_i} \right) \left\{ 1 + \frac{1}{20} \text{INT} \left[\left(\frac{Q(P + 1) - (1 + P_i + P_l)}{2} \right) \left(\frac{1}{1 + P_l} \right)^{20} \right] \right\} \end{aligned} \quad (B4)$$

$$EXS_l =$$

$$\begin{aligned} & \sum_{\substack{j=1 \\ j \neq l}}^n \sum_{\substack{k=1 \\ k \neq l, j}}^n \frac{q_l q_j q_k}{(1 - q_l)(1 - q_l - q_j)} \\ & \times \left\{ 1 + \frac{1}{20} \text{INT} \left[\left(\frac{Q(S + 1) - (1 + S_l + S_j + S_k)}{3} \right) \left(\frac{1}{1 + S_l} \right)^{20} \right] \right\} \\ & + \sum_{\substack{i=1 \\ i \neq l}}^n \sum_{\substack{k=1 \\ k \neq i, l}}^n \frac{q_i q_l q_k}{(1 - q_i)(1 - q_i - q_l)} \\ & \times \left\{ 1 + \frac{1}{20} \text{INT} \left[\left(\frac{Q(S + 1) - (1 + S_i + S_l + S_k)}{3} \right) \left(\frac{1}{1 + S_l} \right)^{20} \right] \right\} \\ & + \sum_{\substack{i=1 \\ i \neq l}}^n \sum_{\substack{j=1 \\ j \neq l, i}}^n \frac{q_i q_j q_l}{(1 - q_i)(1 - q_i - q_j)} \\ & \times \left\{ 1 + \frac{1}{20} \text{INT} \left[\left(\frac{Q(S + 1) - (1 + S_i + S_j + S_l)}{3} \right) \left(\frac{1}{1 + S_l} \right)^{20} \right] \right\} \end{aligned} \quad (B5)$$

In these formulas Q is the track payoff; P_i and S_i are the place and show bets on horse i , respectively; $P = \sum_{i=1}^n P_i$ and $S = \sum_{i=1}^n S_i$ are the place and show pools, respectively; and $\text{INT}(Y)$ means the largest integer not exceeding Y . The expressions involving INT assume here that the breakage is of the 5¢ variety. For 10¢ breakage replace 20 by 10 in equations (B4) and (B5). These equations were used to compute the expected values per dollar bet in Table 5.1.

The Kelly criterion is equivalent to maximizing the expected logarithm of final wealth after the public's bets in each race are known. Considering the effect of all possible i, j, k finishes on the possible payoffs and the fact that our bets influence these odds, we have the following model for determining our optimal place and show bets, which we denote by p_l and s_l .



$$\text{Maximize}_{\{p_l\} \{s_l\}} \sum_{i=1}^n \sum_{\substack{j=1 \\ j \neq i}}^n \sum_{\substack{k=1 \\ k \neq i, j}}^n q_{ijk} \left[\begin{aligned} & \frac{Q(P + \sum_{l=1}^n p_l) - (p_i + p_j + P_i + P_j)}{2} \\ & \times \left(\frac{p_i}{p_i + P_i} + \frac{p_j}{p_j + P_j} \right) \\ & \log + \frac{Q(S + \sum_{l=1}^n s_l) - (s_i + s_j + s_k + S_i + S_j + S_k)}{3} \\ & \times \left(\frac{s_i}{s_i + S_i} + \frac{s_j}{s_j + S_j} + \frac{s_k}{s_k + S_k} \right) \\ & + w_0 - \sum_{\substack{l=1 \\ l \neq i, j, k}}^n s_l - \sum_{\substack{l=1 \\ l \neq i, j}}^n p_l \end{aligned} \right] \quad (\text{B6})$$

such that

$$\sum_{l=1}^n (p_l + s_l) \leq w_0, \quad p_l \geq 0, s_l \geq 0, l = 1, \dots, n.$$

Model (B6) assumes that any horse i can win, followed by any horse j (except i), and any horse k can finish third (except i or j). This event has probability q_{ijk} . The expression inside the brackets has three parts: returns received from possible place bets, and from possible show bets, and money left over because the place and show bets made are less than the bettor's fortune w_0 .

The only data needed to compute the optimal place and show bets in any given race using (B6) are Q , the track payback; the place and show bets P_i and S_i , respectively, on each horse i ; the total place and show pools P and S , respectively; and the investor's wealth w_0 .

Although model (B6) lacks some desirable concavity properties—see Kallberg and Ziemba (1981)—it is easy to solve on a computer. Calculations for thousands of races have routinely been made on the University of British Columbia's AMDAHL 470V6 Model II computer, using a code for the generalized reduced gradient algorithm.

Development of the Dr. Z System for Use at the Track

Since phones are not generally available at racetracks and since even portable computers are cumbersome, while the time when you need to act is so short, we have used multiple regression approximations to the solutions to (B6). These equations, such as the expected-value-per-dollar-bet equations in Chapter Four and the optimal-betting-amount equations in Chapter Five and Sixteen, were developed by solving (B6) for many many races and then regressing the results on the variables of interest. In all cases, the regression's independent variables are functions of only the simplest input data, namely, Q , w_0 , W , W_i , P , P_i , S , and S_i for horse i .

In developing the Dr. Z system for very general use, several factors had to be considered: different track sizes, different betting-wealth levels, different track paybacks, coupled entries, and multiple betting. These factors are discussed below.

Track Size and Betting-Wealth Level

Track size and wealth level do not affect the expected-value equations, since (B4) and (B5) involve only the relative size of the public's bets and the track take. However, track size and wealth level are both important factors in determining the optimal bet sizes in (B6). To account for them, (B6) was solved for a broad range of wealths and track sizes. Regressions were determined for four different wealth levels (\$50, \$500, \$2,500, \$10,000), three different place pools (\$2,000, \$10,000, \$150,000), and three different show pools (\$1,200, \$6,000, \$100,000). These twelve pairs of wealth and place pools resulted in the twelve optimal place regressions in Table 16.1, and these twelve pairs of wealth and show pools resulted in the twelve optimal show regressions in Table 16.3. Then Tables 16.2 and 16.4 used interpolation of these 24 regressions to account for *any* betting wealth and place- or show-pool size. The R^2 values for these regressions were extremely good, varying from 0.982 to 0.995.

Track Payback

Both the expected-value equations (B4) and (B5) and the optimal bet sizes from (B6) are nondecreasing functions of Q , the track payback. As was demonstrated in Figure 9.4, a change in Q can have a very large effect on long-run profits. This section therefore develops modifications of the basic regression equations for use at tracks with differing paybacks.

Regression equation (4.3) for the expected value per dollar bet to place was calculated with $Q = 0.829$. Equation (B4) gives the exact expected

value. If we neglect breakage for simplicity, it is

$$\text{EXP}_i = \sum_{j \neq i} \left(\frac{q_i q_j}{1 - q_i} + \frac{q_i q_j}{1 - q_j} \right) \left[1 + \frac{QP - (P_i + P_j)}{2P_i} \right].$$

Note that EXP_i is linear in Q and

$$\frac{\partial \text{EXP}_i}{\partial Q} = \frac{q_i P}{2P_i} \left[1 + \sum_{j \neq i} \left(\frac{q_j}{2 - q_j} \right) \right]. \quad (\text{B7})$$

Thus the appropriate adjustment factor for equation (4.3) to account for a $Q \neq 0.829$ should involve an approximation to (B7). From 124 Exhibition Park races with EXP_i in the range 1.16 and greater, the true $\partial \text{EXP}_i / \partial Q$ was regressed against q_i

$$\frac{\partial \text{EXP}_i}{\partial Q} = 2.22 - 1.29q_i \quad R^2 = 0.861, \quad SE = 0.0548, \quad (\text{B8})$$

both coefficients highly significant.

Therefore when the track payback is Q , the expected value per dollar bet to place can be approximated by adjusting equation (4.3) to

$$\text{EXP} = 0.319 + 0.559 \left(\frac{W_i/W}{P_i/P} \right) + \left[2.22 - 1.29 \left(\frac{W_i}{W} \right) \right] (Q - 0.829).$$

This is equation (4.5). A similar procedure for expected value to show results in equation (4.6) from equation (4.4).

The regression equations in Chapter Sixteen were calibrated for $Q = 0.829$. Since the optimal bet size is nondecreasing in Q , which will vary from track to track, we must adjust the optimal bets at tracks with $Q \neq 0.829$. To study this effect, optimization model (B6) was run on a number of Exhibition Park examples to compute the optimal place or show bets at several different initial wealths, several track sizes, and several different Q 's (from 0.809 to 0.859). The results indicated that $\Delta p^* / \Delta Q$ and $\Delta s^* / \Delta Q$ were independent of Q over this short range of Q 's. Therefore with a ΔQ of 0.01, $\Delta p^* / \Delta Q$ and $\Delta s^* / \Delta Q$ were regressed on p^* , w_0 , P_i , P , and s^* , w_0 , S_i , S respectively. The analysis for $\Delta p^* / \Delta Q$ showed that p^* and w_0 were very significant independent variables but that neither P_i nor P was significant; similar results for $\Delta s^* / \Delta Q$ were observed.

The regressions were

$$\frac{\Delta p^*}{\Delta Q} = 0.0316p^* + 0.000351w_0$$

$$R^2 = 0.948, SE = 2.23, n = 56.$$

$$\frac{\Delta s^*}{\Delta Q} = 0.0316s^* + 0.000351w_0$$

Therefore, if p^* and s^* are the optimal place and show bet sizes from Tables 16.1 to 16.3, then the true optimal place bet \tilde{p}^* and true optimal show bet \tilde{s}^* for a racetrack with a track payback Q are

$$\tilde{p}^* = p^* + (Q - 0.829)(3.16p^* + 0.0351w_0) \quad (\text{B9})$$

and

$$\tilde{s}^* = s^* + (Q - 0.829)(3.16s^* + 0.0351w_0). \quad (\text{B10})$$

Coupled Entries

As mentioned in Chapter Sixteen, because of the possibility that an entry will collect the whole place pool or a major portion of the show pool, the expected value per dollar bet to place or show is underestimated, as is the optimal bet size. The formula for correcting this underestimation is presented here.

Suppose the coupled entry has number 1 and let $q_1 = W_1/W$. Then q_1 estimates the probability that one of the horses in the entry will win the race. Suppose further that q_{1A} and q_{1B} (with $q_{1A} + q_{1B} = q_1$) are the correct winning probability estimates of the two horses in the entry. Calculating the probability to place using q_1 for one horse, and using q_{1A} and q_{1B} for two horses, results in the same probabilities. This suggests that the only reason the one-horse expected-value equations are underestimates of the true two-horse expected-value equations is the possibility of 1A-1B and 1B-1A finishes. To make a correction for this, the true expected value per dollar bet was calculated for the one-horse case of q_1 and for the two-horse case of q_{1A} and q_{1B} .^{*} The difference between these two expected values, call it ΔC_i , was then regressed on (W_i/W) and (P_i/P) . Again, Exhibition Park[†] data were used and

$$\Delta C_i = 0.867(W_i/W) - 0.857(P_i/P). \quad (\text{B11})$$

Adding this correction factor for coupled entries changes equation (4.5) to (4.7). A similar procedure yields equation (4.8) from (4.6).

^{*}It is generally the case that the two horses in the entry are not of equal ability. It is assumed that $q_{1A} = (\frac{2}{3})q_1$ and $q_{1B} = (\frac{1}{3})q_1$. The results are quite robust to the weighting however.

[†]The data used were for cases where the expected value was at least 1.16, that is, the cases of interest. For instances with a low expected value, the correction factor is not accurate.

The regression equations in Chapter Sixteen underestimate the true optimal bets on a coupled entry. To understand this phenomenon (1) many Exhibition Park examples were run on the optimization model (B6) assuming the data were for one horse, then (2) the same examples were run again using (B6) supposing the entry was two horses (the formulation was adjusted to consider the possibility of the two horses finishing first and second and then receiving a high payoff), but the win bet on the entry was lowered, using an iterative scheme, until the optimal bet was the same as the optimal bet from (1). This procedure gave pairs of \tilde{q}_i^p and q_i , where \tilde{q}_i^p was the probability of entry i 's winning in (1), that is, thinking of the entry as one horse; and q_i was the adjusted probability that gave the same optimal bet in (2) as was observed in (1), that is, thinking of the entry as two horses. Since the regression equations in Chapter Sixteen give the optimal place bet when the horse's probability of winning is q_i , then using the slightly higher \tilde{q}_i^p in those regressions would give the approximate optimal place bet when the entry's probability of winning is q_i .

The regression relating \tilde{q}_i^p and q_i is

$$\tilde{q}_i^p = 0.991q_i + 0.137q_i^2 + 3.471 \times 10^{-7}w_0$$

$$(R^2 = 0.9998, SE = 0.00161). \quad (B12)$$

The examples from which the data were derived spanned many wealth levels and pool sizes. While the wealth level was a very significant independent variable, the pool size was found to be statistically insignificant. Therefore, to compute the optimal place bet on coupled entry i use the following procedure:

1. Set $q_i = W_i/W$.
2. Determine \tilde{q}_i^p .
3. Use \tilde{q}_i^p , w_0 , P , and P_i in regression equations in Tables 16.1 and 16.2.

Use the same procedure for the optimal show bet on coupled entry i :

1. Set $q_i = W_i/W$.
2. Determine

$$\tilde{q}_i^s = 1.07q_i + 4.13 \times 10^{-7}w_0 - 0.00663$$

$$R^2 = 0.999, SE = 0.00298, \text{ all coefficients highly significant.}$$

3. Use \tilde{q}_i^s , w_0 , S , and S_i , in the regression equations in Tables 16.3 and 16.4.

Multiple Betting

The optimal bet equations in Tables 16.1 and 16.3 were calibrated assuming only one place bet or one show bet in a race. Sometimes, however, there is more than one Dr. Z system bet in a race (see Chapter Sixteen). It is not correct to calculate each of the optimal bets using the regression equations and then wager those amounts. In some instances it would result in overbetting; in others, for reasons of diversification, it would result in underbetting.

In what follows we have accounted for the most common multiple-betting situation—Dr. Z system bets to place and show on the same horse. Ninety-eight cases of place and show betting on the same horse were analyzed over a wide range of track handles, q_i 's, and w_0 's. Using the optimization model (B6) resulted in the quadruples $(p_T^*, s_T^*, p_A^*, s_A^*)$. The p_T^* and s_T^* are the optimal pair of place and show bets when they are considered together. The p_A^* is the optimal place bet assuming it is the only good bet in the race and s_A^* is the optimal show bet supposing it is the only good bet in the race—namely, the values obtained using the regressions in Tables 16.2 and 16.4. Then p_T^* was regressed on $p_A^*, s_A^*, w_0, P_i, P$, and q_i . The only statistically significant independent variables were p_A^* and s_A^* , leading to the regression equation

$$\tilde{p}_T^* = 1.59p_A^* - 0.639s_A^*.$$

($R^2 = 0.967$, $SE = 73.7$, all coefficients highly significant.)

A similar procedure for s^* yields

$$\tilde{s}_T^* = 0.907s_A^* - 0.134p_A^*.$$

($R^2 = 0.992$, $SE = 72.6$, all coefficients highly significant.)

Exploitation of Inefficiencies or Chance?

These are equations (16.5) and (16.6), respectively.

An important question concerns the reliability of the results: Are the results true exploitations of market inefficiencies or could they be obtained simply by chance? This question is investigated utilizing the following simple model. The first application is concerned with an estimate of the probability that the Dr. Z system's theory is vacuous and, indeed, the observations conform to specific favorable samples from a random betting population. The second application estimates the probability of not making a positive profit. The calculations utilize the 1980 Exhibition Park data; those appear in Table 9.3.

Let π be the probability of winning a bet in each trial and

$$X_i = \begin{cases} 1 + w & \text{if the bet is won,} \\ 0 & \text{otherwise} \end{cases}$$

be the return from a \$1 bet in trial i . In n trials, the probability of winning at least $100y\%$ of the total bet is

$$\Pr \left[\frac{1}{n} \left(\sum_{i=1}^n X_i \right) - 1 > y \right]. \quad (\text{B13})$$

Assume that the trials are independent. Since the X_i are binomially distributed, (B13) can be approximated by a normal probability distribution as

$$1 - \phi \left\{ \frac{\sqrt{n}[y - (1 + w)\pi + 1]}{(1 + w)\pi \sqrt{(1 - \pi)/\pi}} \right\} \quad (\text{B14})$$

where ϕ is the cumulative distribution function of a standard $N(0, 1)$ variable. The observed probability of winning a bet, weighted by size of bet made from the 1980 Exhibition Park bets according to Table 9.5, yields 0.771 as an estimate of π . If the system's theory were vacuous and random betting were being made, then $(1 + w)\pi$ would equal 0.83, since the track's payback is approximately 83%. The twenty-two bets made totalled \$5,304 and resulted in a profit of \$1,216, for a rate of return of 22.9%. Using the equation with $n = 22$, gives 3×10^{-5} , which is negligible, as the probability of making 22.9% through random betting.

Suppose that the 1980 Exhibition Park results represent typical Dr. Z system behavior, then $\pi = 0.771$ and $(1 + w)\pi = 1.229$. In n trials the probability of making a nonpositive net return is

$$\Pr \left[\frac{1}{n} \left(\sum_{i=1}^n X_i \right) - 1 < 0 \right]$$

which can be approximated as

$$\phi \left[\frac{\sqrt{n}(1 - (1 + w)\pi)}{(1 - w)\pi \sqrt{(1 - \pi)/\pi}} \right] = \phi(-0.342\sqrt{n}).$$

For $n = 22$, this probability is only 0.054. Thus in twenty-two races, the chance is only 5.4% that you are behind simply by chance. For $n = 50$ or 100, the probabilities are 0.008 and 0.0003, respectively. Thus it is reasonable to suppose that the results from the 1980 Exhibition Park data (as well as the 1978 Exhibition Park, 1973/74 Santa Anita, and 1981/82 Aqueduct data, with their larger samples) represent true exploitation of a market inefficiency.

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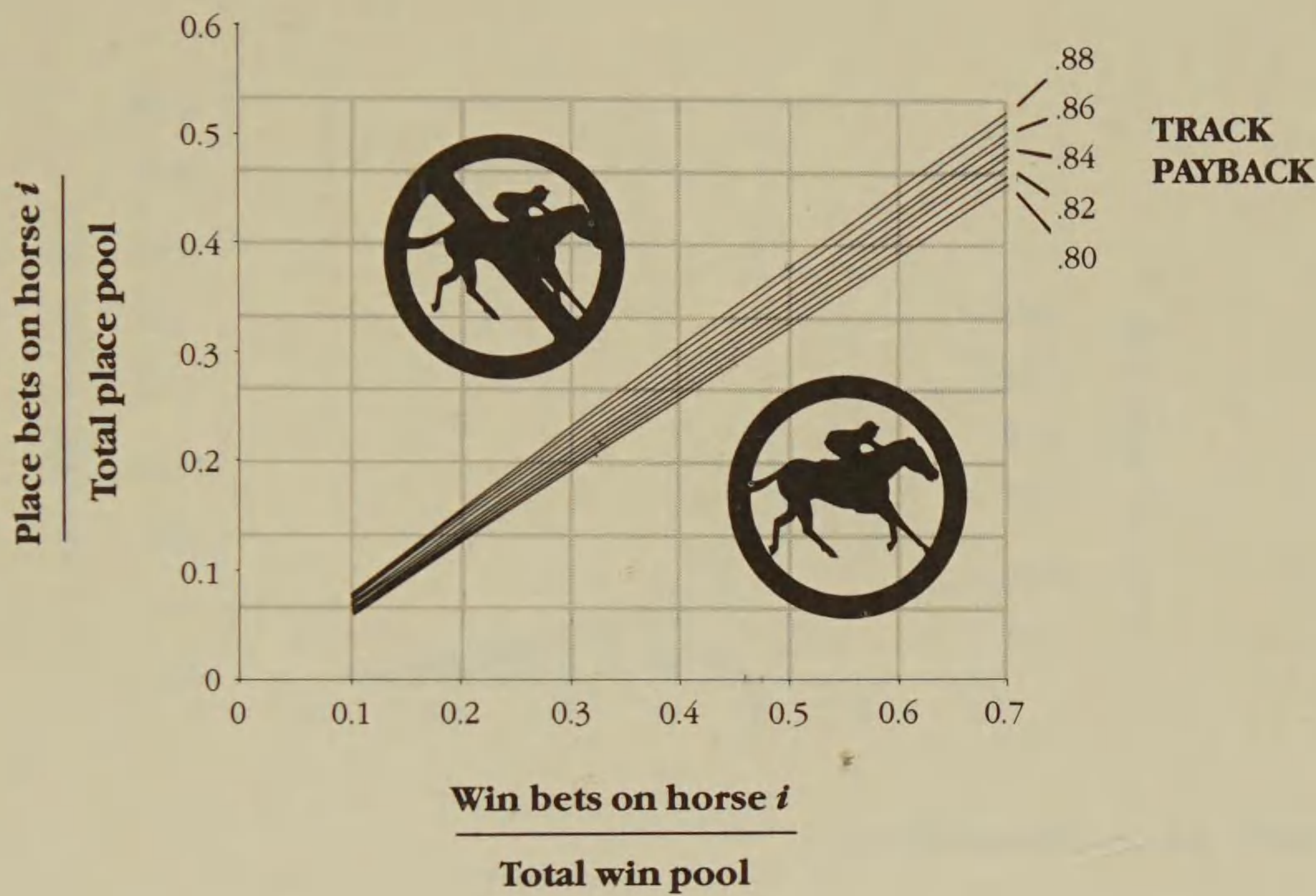
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Place Bet

EXPECTED-VALUE CUTOFF: 1.14

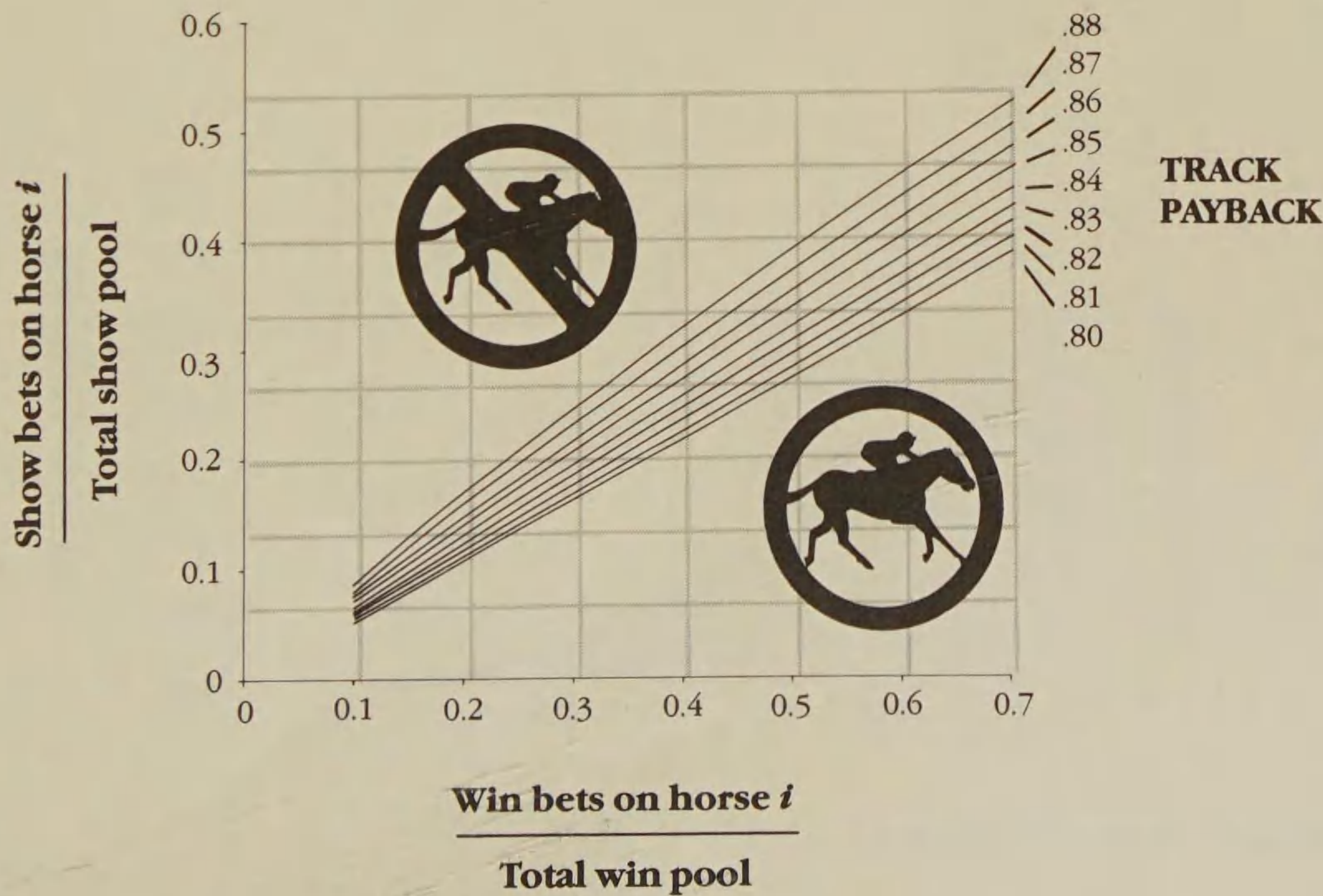
BET: if the values meet on or below the line
DO NOT BET: if the values meet above the line



Show Bet

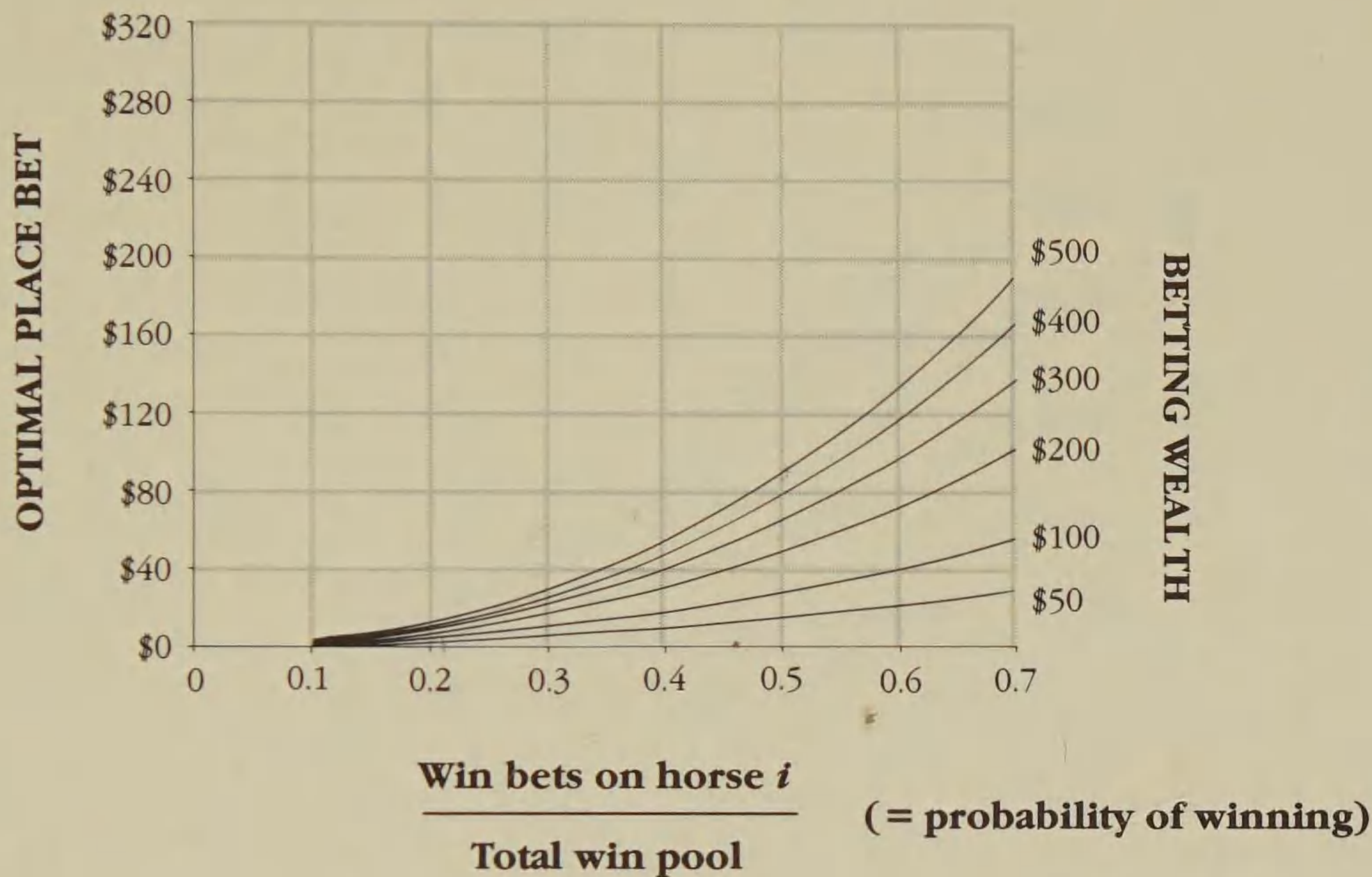
EXPECTED-VALUE CUTOFF: 1.14

BET: if the values meet on or below the line
DO NOT BET: if the values meet above the line



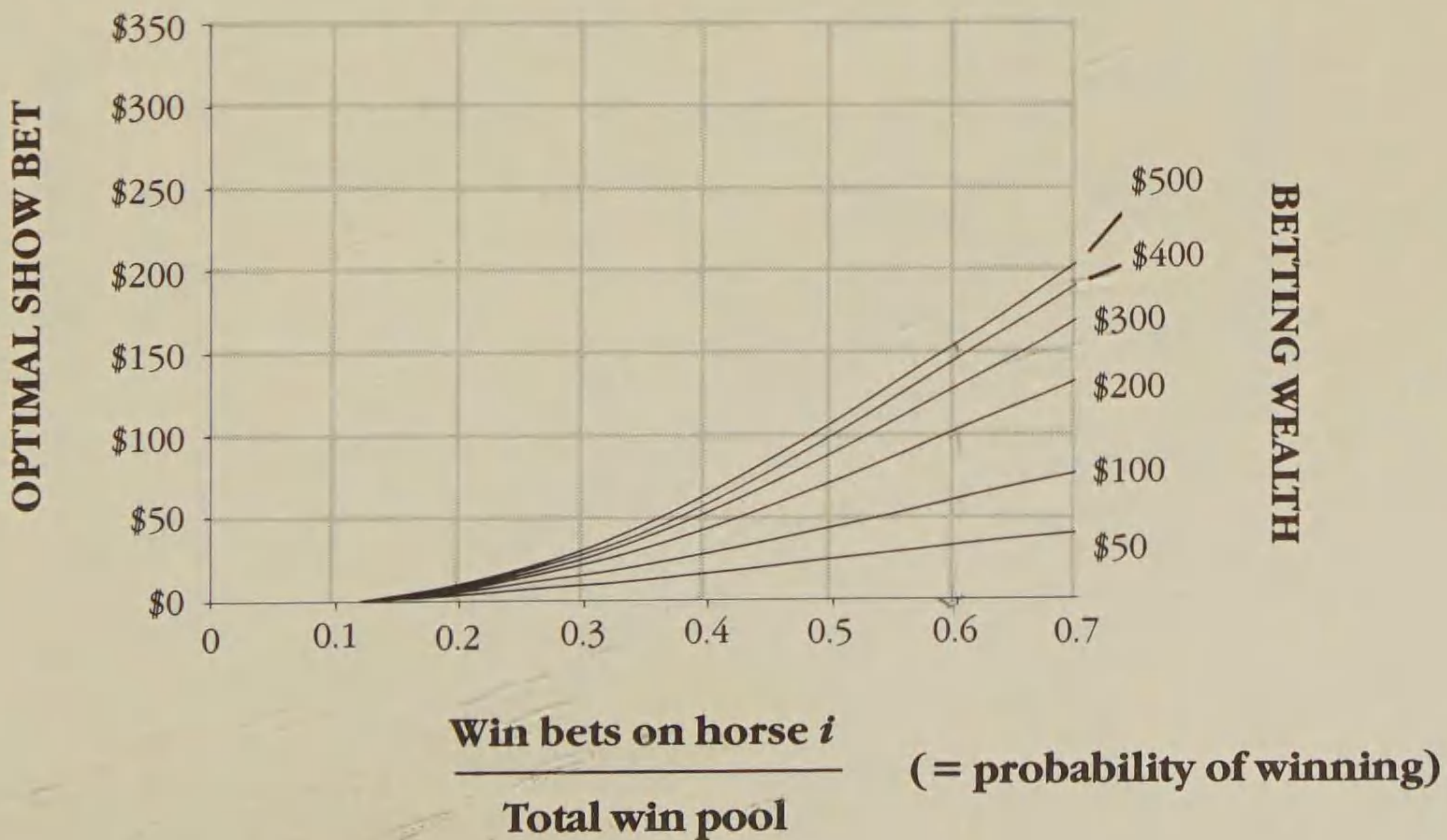
Optimal Place Bet for Various Probabilities of Winning

- 1. when the expected return is 1.14
- 2. when the total place pool is Small (\$2,000– \$9,999)



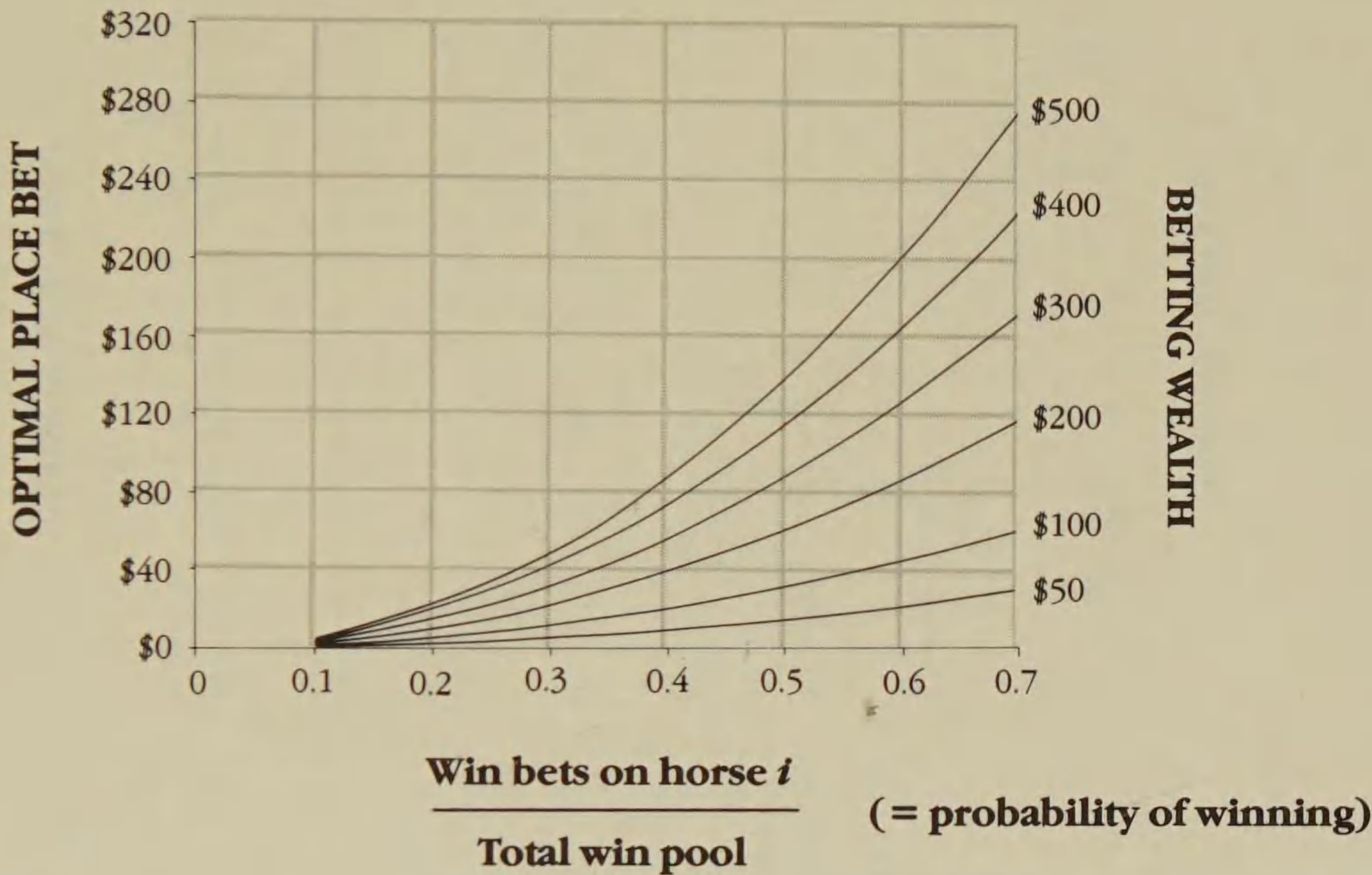
Optimal Show Bet for Various Probabilities of Winning

- 1. when the expected return is 1.14
- 2. when the total show pool is Small (\$1,200– \$5,999)



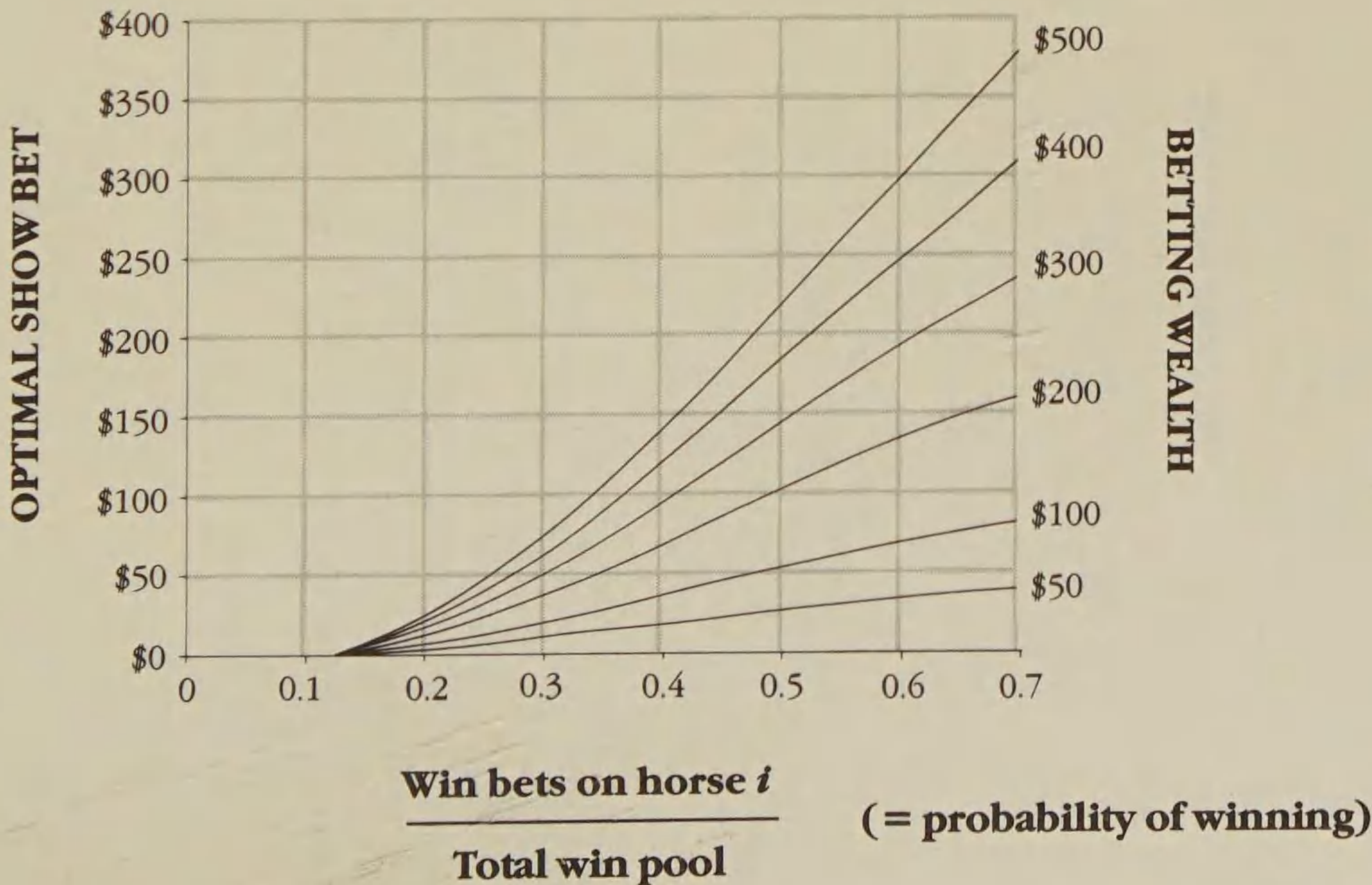
Optimal Place Bet for Various Probabilities of Winning

- 1. when the expected return is 1.14
- 2. when the total place pool is Medium (\$10,000 – \$49,999)



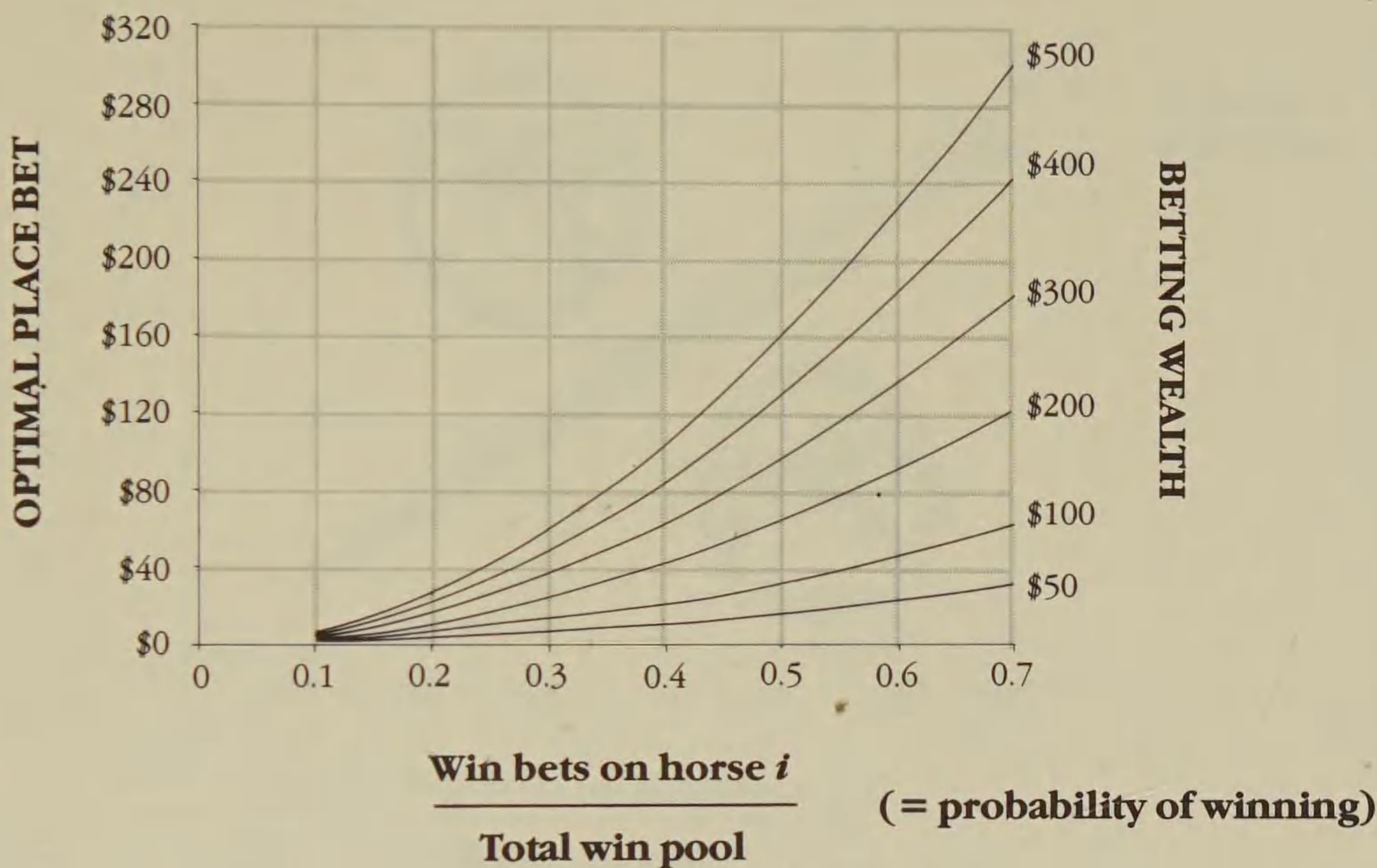
Optimal Show Bet for Various Probabilities of Winning

- 1. when the expected return is 1.14
- 2. when the total show pool is Medium (\$6,000 – \$29,999)



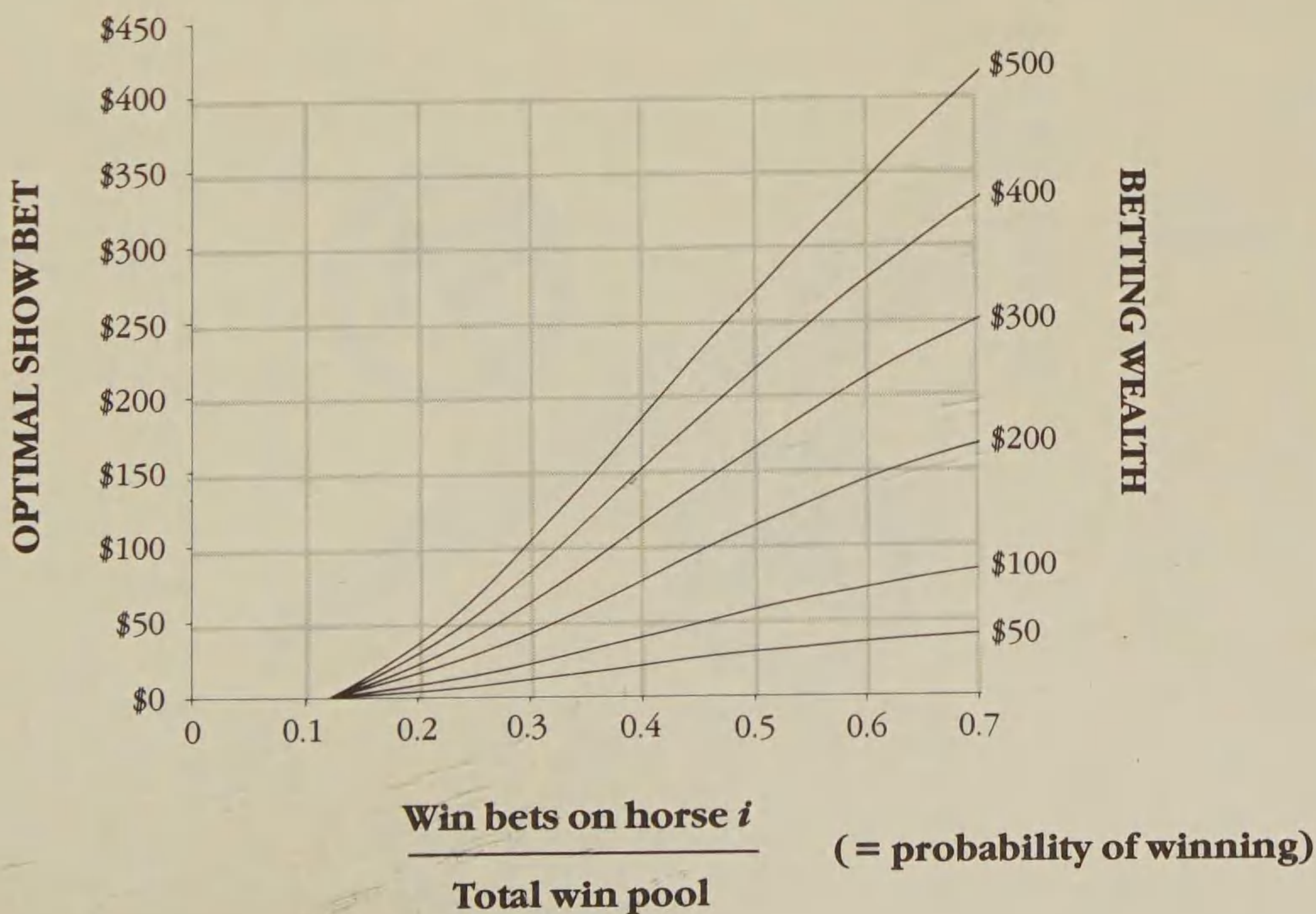
Optimal Place Bet for Various Probabilities of Winning

- 1. when the expected return is 1.14
- 2. when the total place pool is Large (\$50,000 +)



Optimal Show Bet for Various Probabilities of Winning

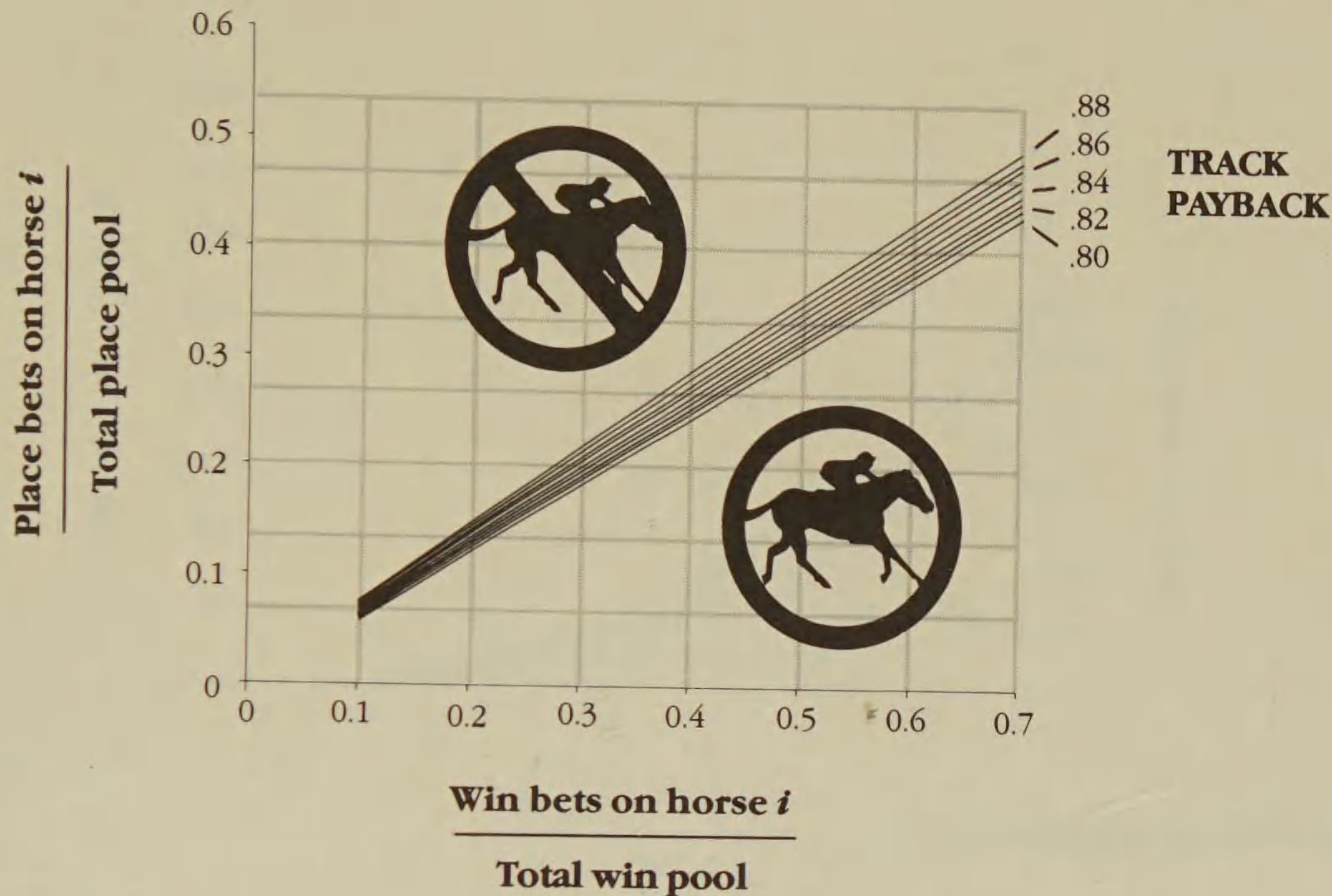
- 1. when the expected return is 1.14
- 2. when the total show pool is Large (\$30,000 +)



Place Bet

EXPECTED-VALUE CUTOFF: 1.18

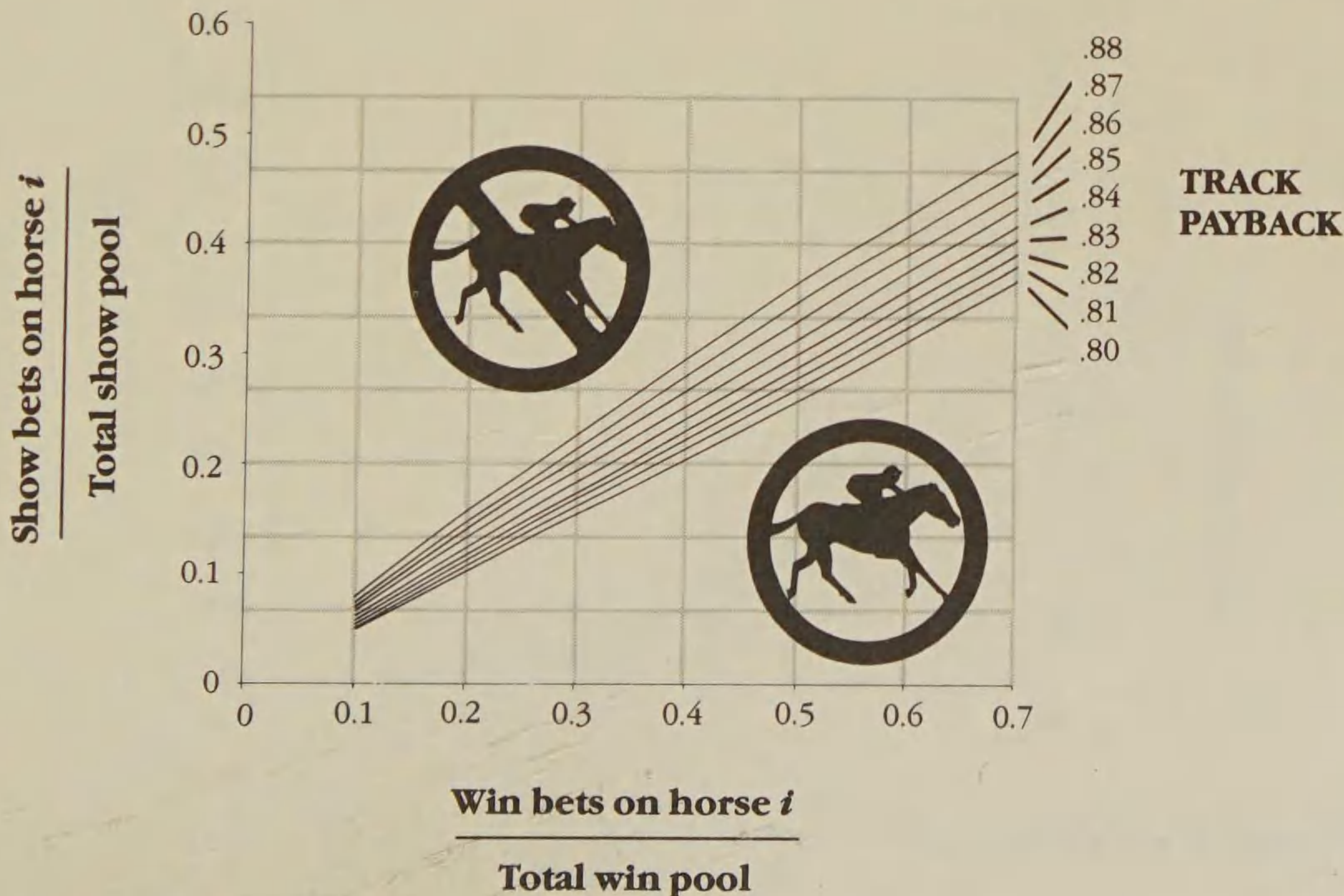
BET: if the values meet on or below the line
DO NOT BET: if the values meet above the line



Show Bet

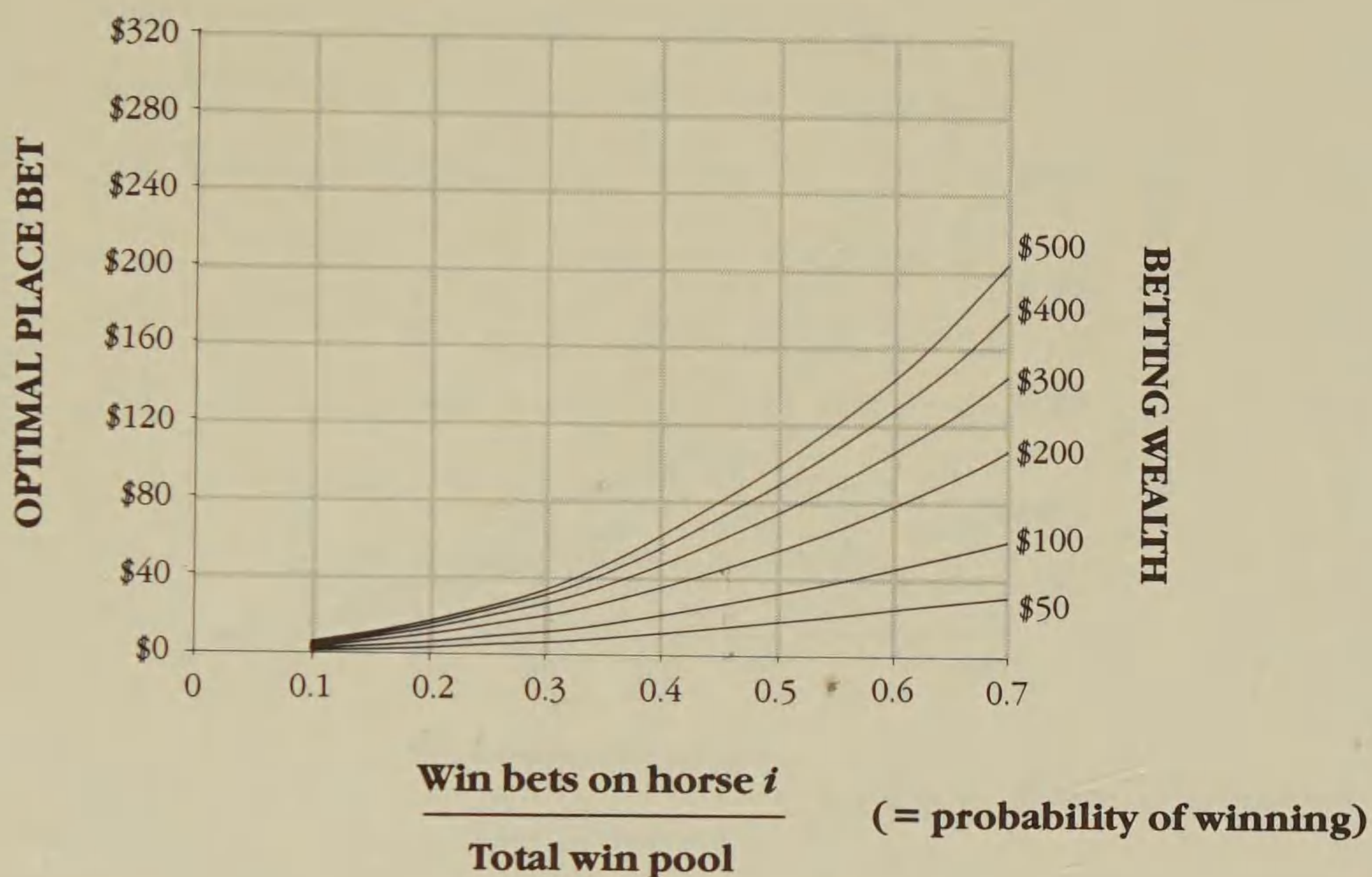
EXPECTED-VALUE CUTOFF: 1.18

BET: if the values meet on or below the line
DO NOT BET: if the values meet above the line



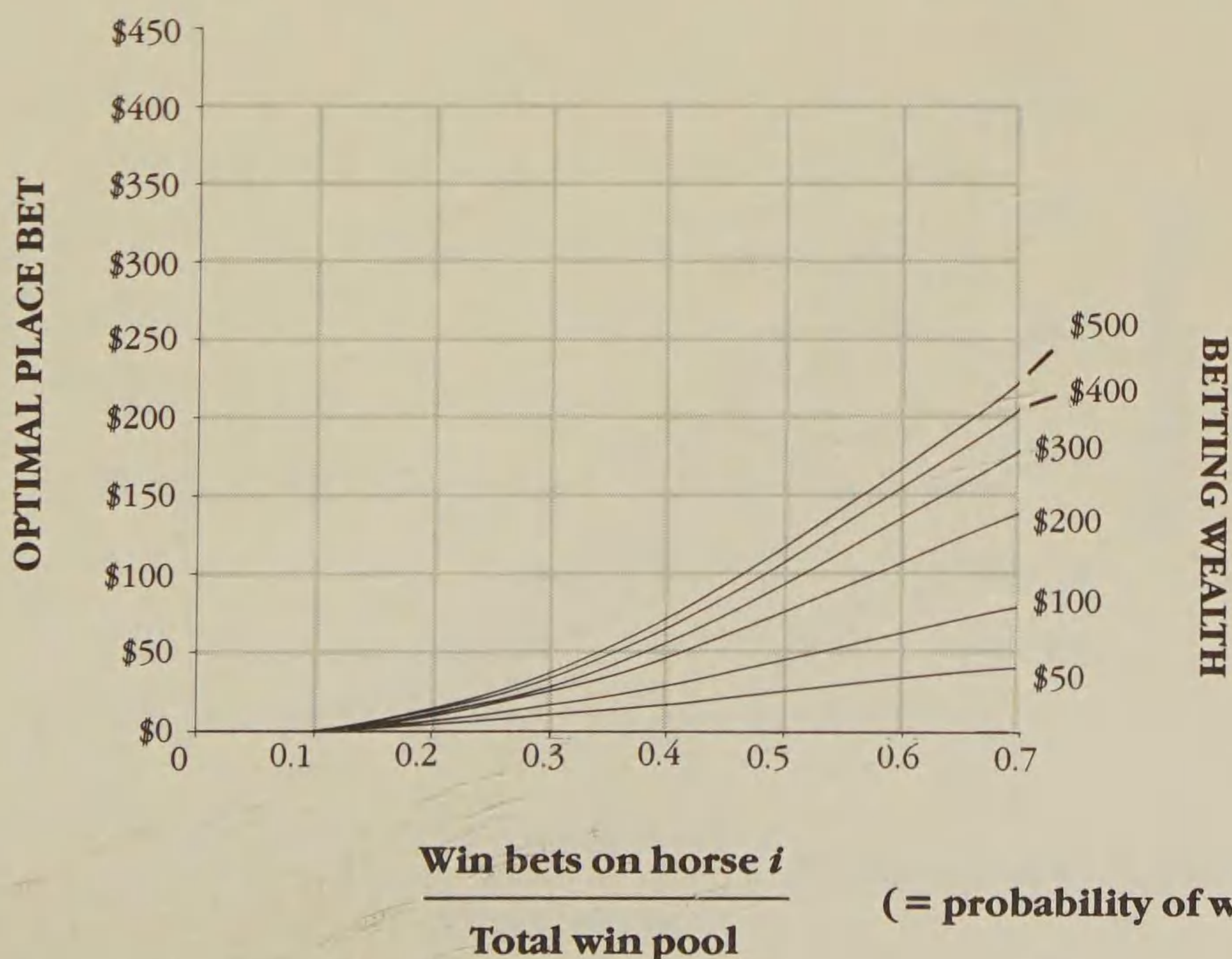
Optimal Place Bet for Various Probabilities of Winning

1. when the expected return is 1.18
2. when the total place pool is Small (\$2,000 – \$9,999)



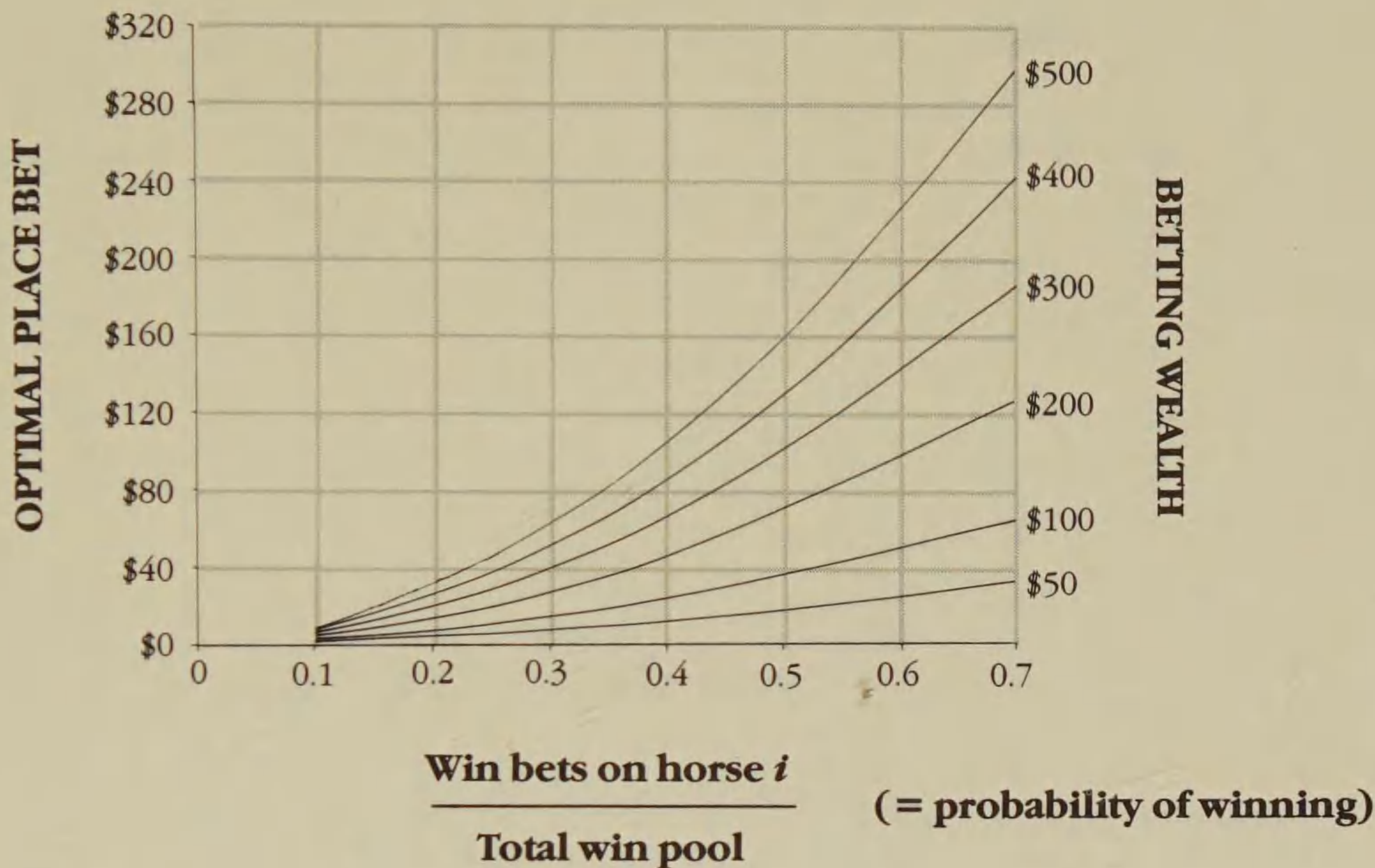
Optimal Show Bet for Various Probabilities of Winning

1. when the expected return is 1.18
2. when the total show pool is Small (\$1,200 – \$5,999)



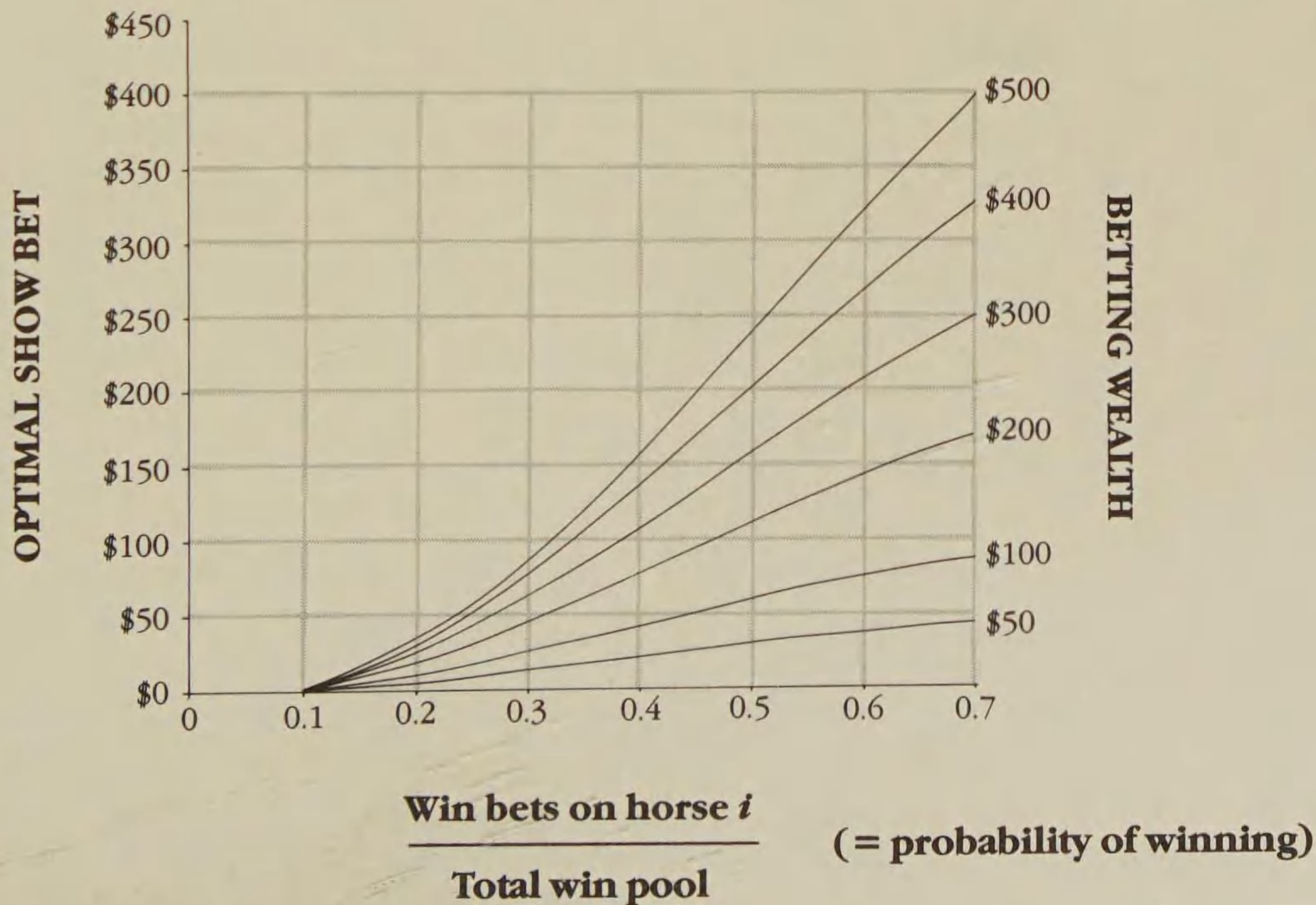
Optimal Place Bet for Various Probabilities of Winning

- 1. when the expected return is 1.18
- 2. when the total place pool is Medium (\$10,000– \$49,999)



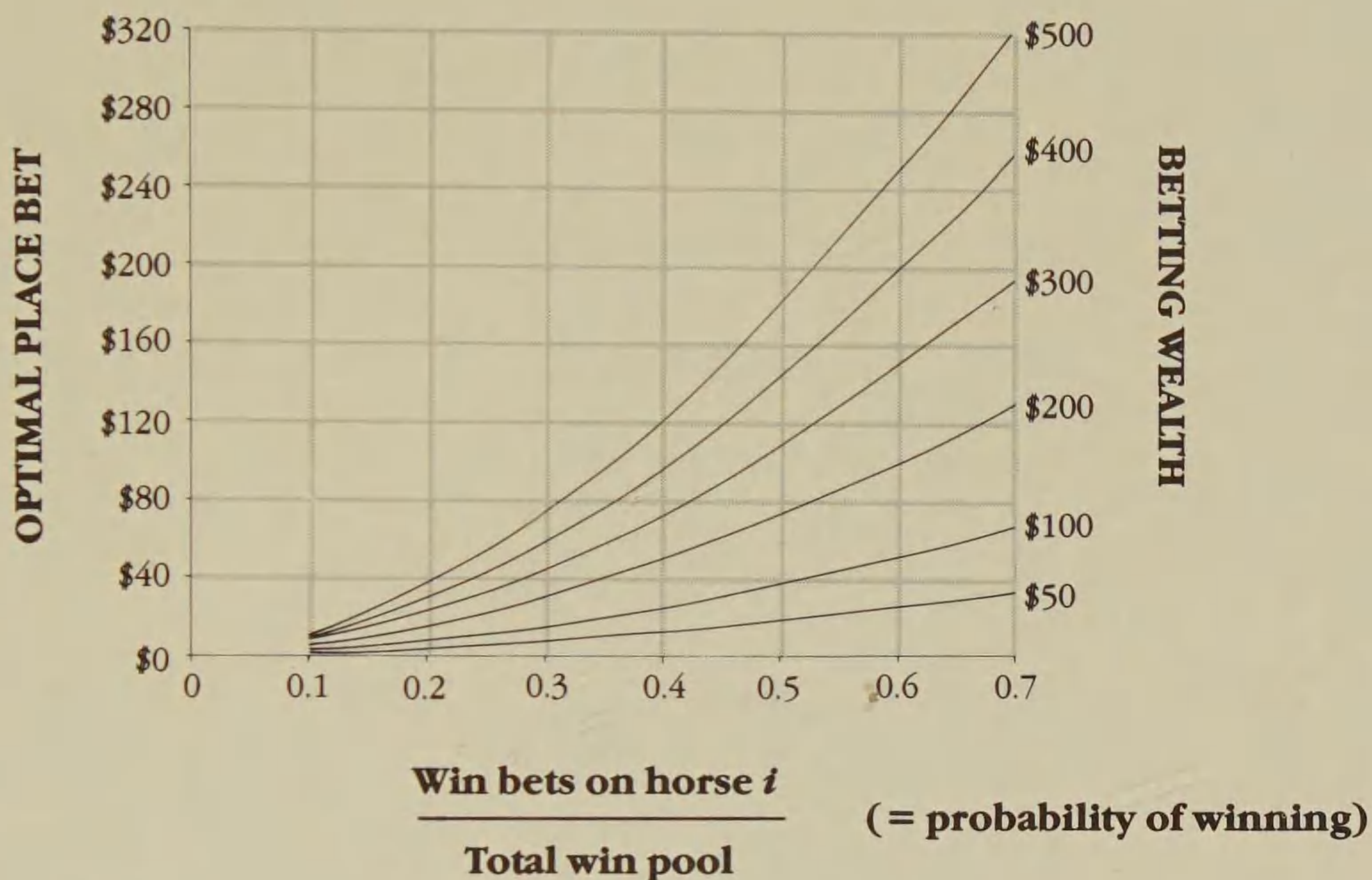
Optimal Show Bet for Various Probabilities of Winning

- 1. when the expected return is 1.18
- 2. when the total show pool is Medium (\$6,000– \$29,999)



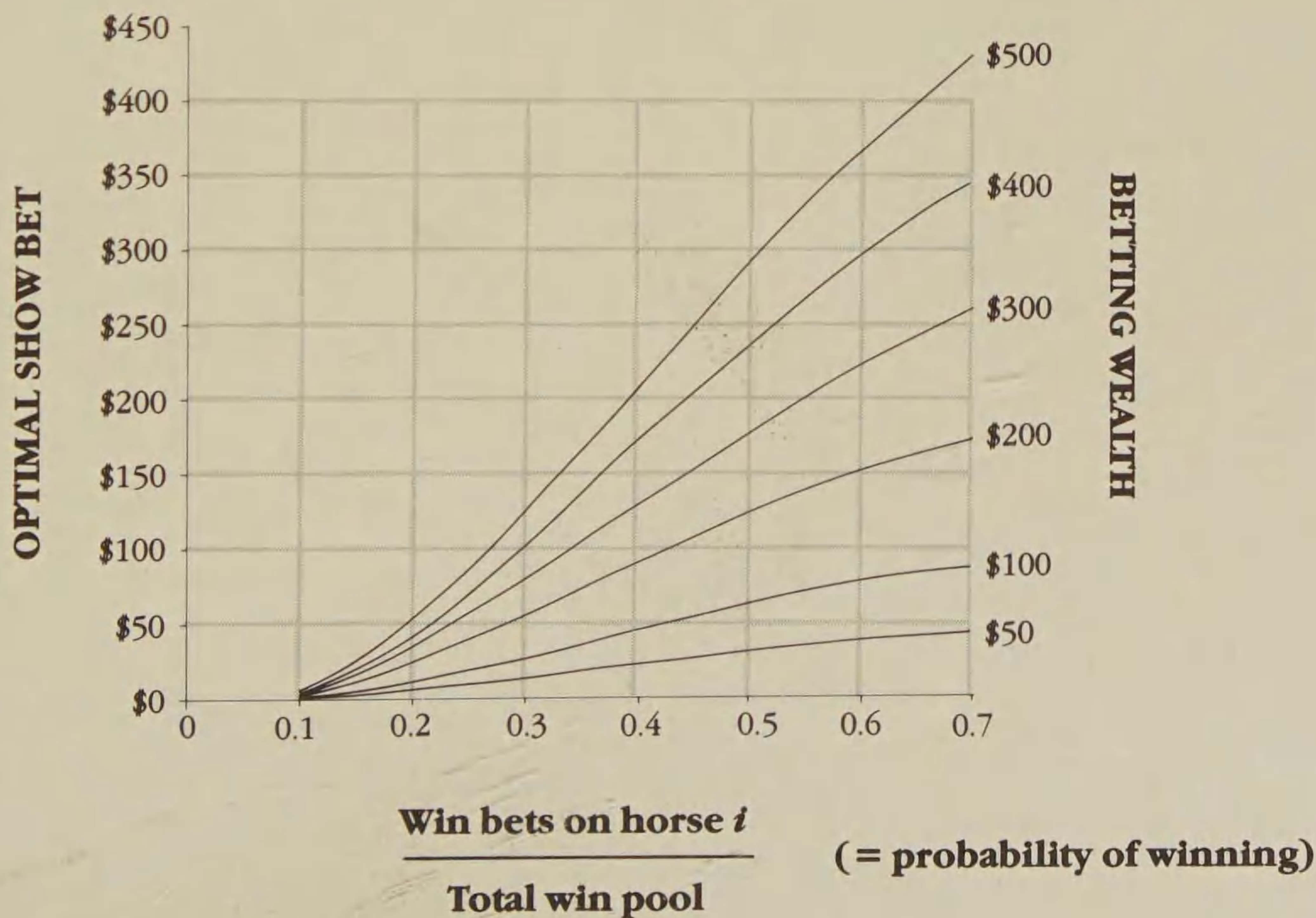
Optimal Place Bet for Various Probabilities of Winning

1. when the expected return is 1.18
2. when the total place pool is Large (\$50,000 +)

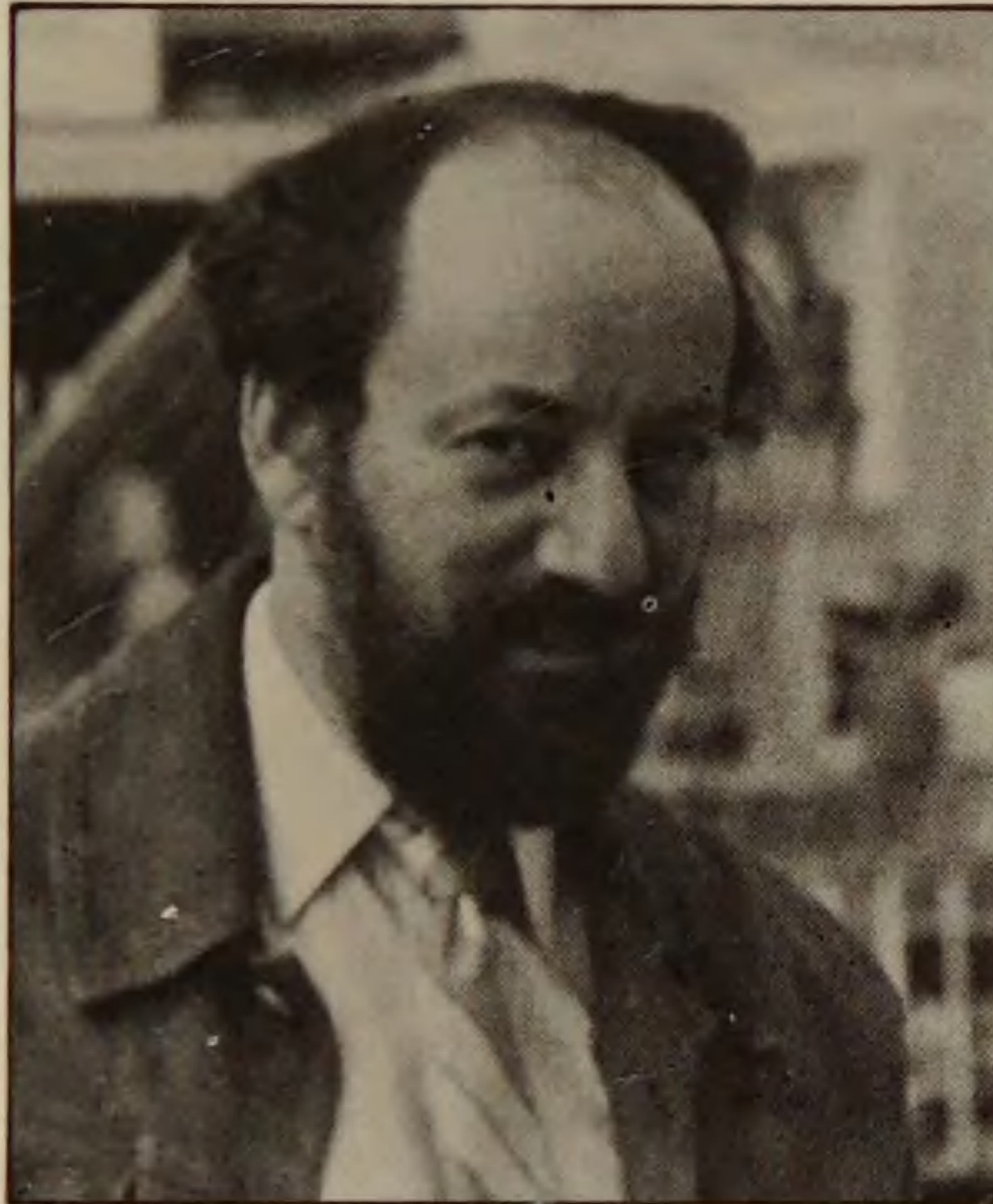


Optimal Show Bet for Various Probabilities of Winning

1. when the expected return is 1.18
2. when the total show pool is Large (\$30,000 +)



William T. Ziemba is professor of management science at the University of British Columbia, Vancouver, B.C. He is an expert in operations research and portfolio management and has served as consultant to the Canadian government on lotteries and parimutuel betting systems. *Donald B. Hausch* is a doctoral candidate in managerial economics and decision sciences at Northwestern University, Evanston, Illinois.



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**—from the Foreword by Edward O. Thorp,
author of *Beat the Dealer***